ORDER NO. ACED9507440
C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CX-DP600EUC

CX-DP600EN

6 DISC CD CHANGER

Change: The CD changer mechanism parts are changed so, exploded view is changed as shown in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic ®

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CHANGES

■ REPLACEMENT PARTS LIST

Mentioned in this parts list are only those parts different from original service manuals.
All other parts are the same as for original service manuals.

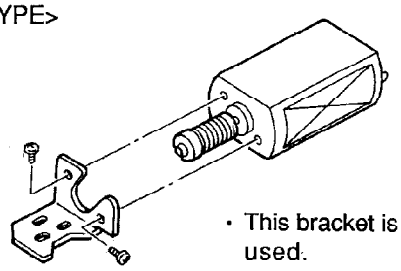
Interchangeability code			**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.
	Parts	Set Production	
A	Original → Early New → Late		Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original → Early New → Late		Original parts may be used in early production sets only. New parts may be used in early or late production set. Use original parts where possible, then stock new parts.
C	Original → Early New → Late		New parts only may be used in early or late production sets. Stock new parts.
D	Original → Early New → Late		Original parts may be used in early production sets only. New parts mey be used in late production sets only. Stock both original and new parts.
E	Original → Early Late		Original parts may be used in early or late prioduction set. Use original parts until exhausted.

Ref. No.	Change of Parts No.		Parts Name & Description	Remarks	Inter-change ability
	Current	New Parts			
22 (1-E)	YEFA011491C	YEFA011574	Traverse Chassis Ass'y	Change in the dimensions	D
55 (2-E)	YEFX0051932	YEFX0051932A	Switch Lever Spring	Change in the shape	D
60 (1-F)	YEFX0051937	YEFX0051937A	Guide Shaft Spring (A)	Change in the dimensions	D
61 (1-F)	YEFX0051938	YEFX0051938A	Guide Shaft Spring (B)	Change in the dimensions color: white→black	D
73 (1-E)	YEFX018409	YEFX018474	Lead Screw Housing (A)	Change in the shape color: white→black	D
74 (1-F)	YEFX018410	YEFX018475	Lead Screw Housing (B)	Change in the dimensions	D
91 (1-E)	YEFX0461617C	YEFX0461701	Chuck Slider Ass'y	Change in the shape	D
130 (1-E)	----	YEP0FX2411	Suspension Ass'y	Added	C

※ When the unit is equipped Traverse Motor Assembly of old type, and you are going to change it by new type, it is necessary to have a following midifications.

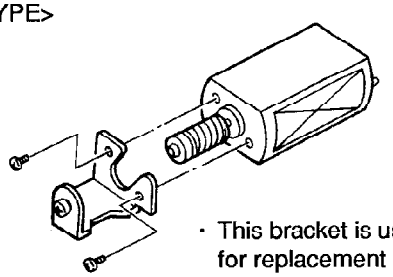
1. Remove the motor bracket from old type traverse motor ass'y which is mounted on defective unit.
2. Remove the motor bracket from new type traverse motor ass'y (replacement part).
3. Mount old type motor bracket to new type traverse motor.

<NEW TYPE>



· This bracket is not used.

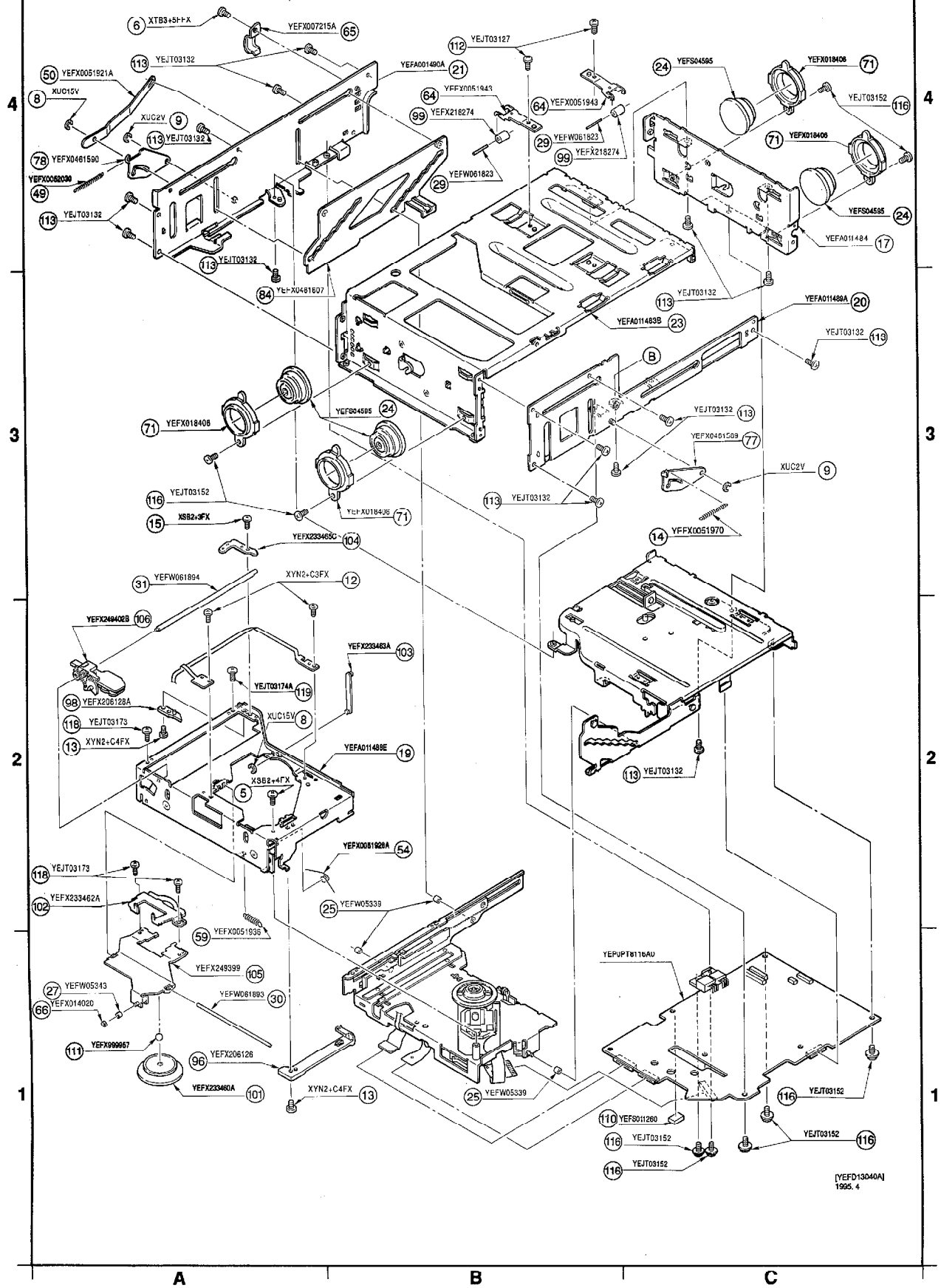
<OLD TYPE>



· This bracket is used for replacement part.

EXPLODED VIEW (CD PLAYER PARTS)

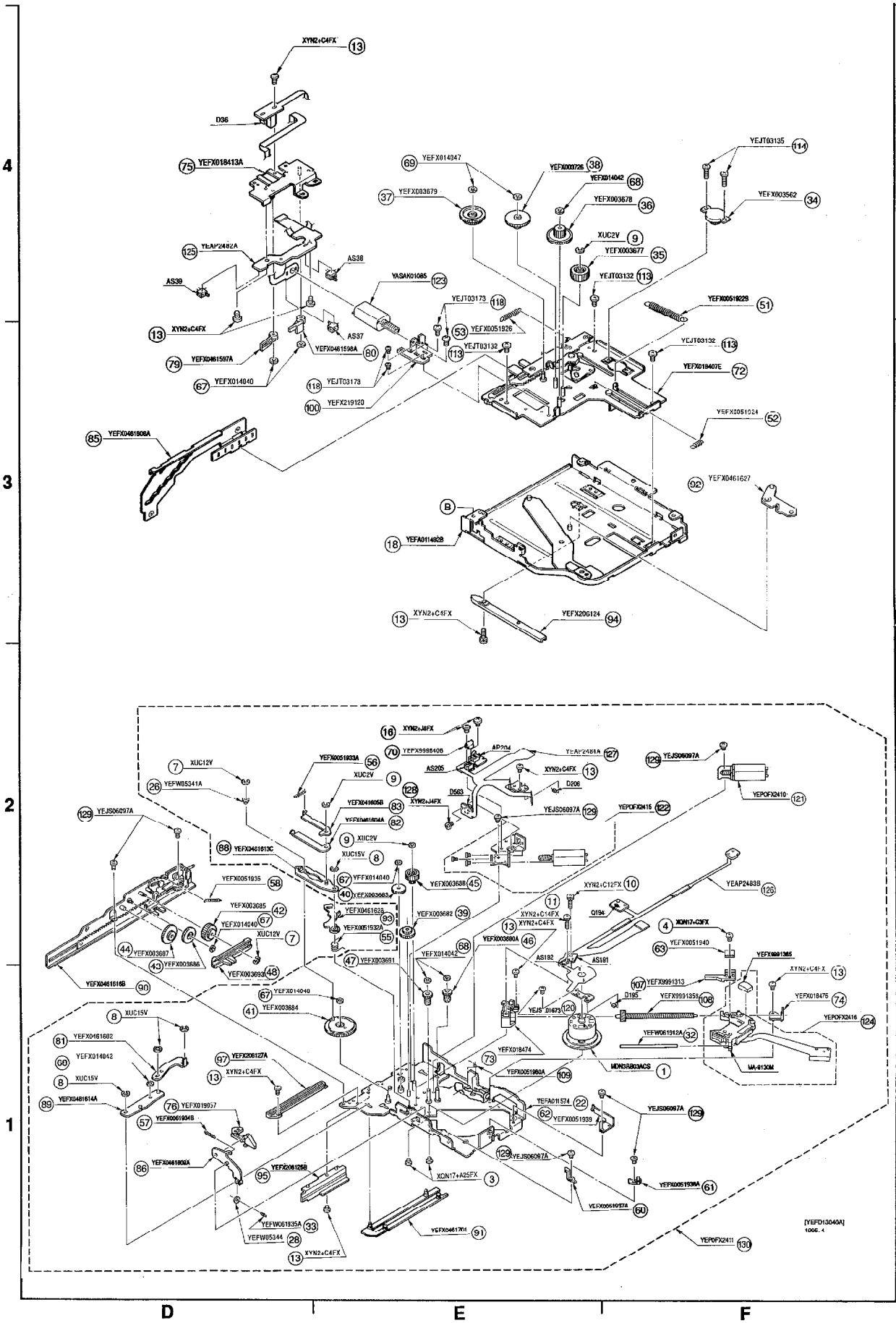
■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



CX-DP600EUC
CX-DP600EN

EXPLODED VIEW (CD PLAYER PARTS)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



CD PLAYER PARTS

YEFD13040A '95. 3. 16

Ref. No.	Change of Parts No. Current → New Parts		Parts Name & Description	Psc set	Remarks
1 (1-F)	MDN3RB03AAS	MDN3RE03ACS	Spindle Motor	1	
3 (1-E)	XQN17+A25FX		Screw, 1.7mm×2.5mm	2	
4 (2-F)	XQN17+C3FX		Screw, 1.7mm×3mm	1	
5 (2-A)	XSB2+4FX		Screw, 2mm×4mm	1	
6 (4-A)	XTB3+5FFX		Screw, 3mm×5mm	1	
7 (2-D)	XUC12V		Snap Ring, 1.2mm	2	
8	XUC15V		Snap Ring, 1.5mm	6	
9	XUC2V		Snap Ring, 2mm	5	
10 (2-F)	XYN2+C12FX		Screw, 2mm×12mm	1	
11 (2-E)	XYN2+C14FX		Screw, 2mm×14mm	1	
12 (3-B)	XYN2+C3FX		Screw, 2mm×3mm	2	
13	XYN2+C4FX		Screw, 2mm×4mm	10	
14 (3-C)	YEFX0051970		Anti-Vibration Spring	1	
15 (3-A)	XSB2+3FX		Screw, 2mm×3mm	1	
16 (2-E)	XYN2+J8FX		Screw, 2mm×8mm	2	
17 (4-C)	YEFA011484		Side Chassies	1	
18 (3-E)	YEFA011492B		Magazine Base Ass'y	1	
19 (2-B)	YEFA011488E		Elevator Upper Chassies	1	
20 (3-C)	YEFA011489A		Front Chassis Ass'y	1	
21 (4-B)	YEFA011490A		Rear Chassis Ass'y	1	
22 (1-E)	YEFA011491C	YEFA011574	Traverse Chassis Ass'y	1	Changed
23 (3-C)	YEFA011483B		Upper Chassis Ass'y	1	
24 (3-B)(4-C)	YEFS04595		Oil Dumper	4	
25 (2-B)(1-B)	YEFW05339		Suspension Guide Chassis Roller	3	
26 (2-D)	YEFW05341A		Cum Gear Collar	1	
27 (1-A)	YEFW05343		Clumper Roller	1	
28 (1-D)	YEFW05344		Lifter Roller	1	
29 (4-B)	YEFW061823		Magazine Roller Shaft	2	
30 (1-A)	YEFW061893		Clumper Arm Shaft	1	
31 (3-A)	YEFW061894		Chuck Guide Shaft	1	
32 (1-F)	YEFW061912A		Guide Shaft	1	
33 (1-D)	YEFW061935A		Lifter Roller Shaft	1	
34 (4-F)	YEFX003562		Rotary Dumper	1	
35 (4-F)	YEFX003677		Elevator Gear	1	
36 (4-F)	YEFX003678		Elevator Gear (3)	1	
37 (4-E)	YEFX003679		Elevator Gear (1)	1	
38 (4-E)	YEFX003726		Elevator Gear (2)	1	
39 (2-E)	YEFX003682		Load Step-Down Gear	1	
40 (2-E)	YEFX003683		Load Relay Gear	1	
41 (1-D)	YEFX003684		Load Cum Gear	1	
42 (2-D)	YEFX003685		Rack Gear (A)	1	
43 (2-D)	YEFX003686		Rack Relay Gear	1	
44 (2-D)	YEFX003687		Rack Gear (B)	1	
45 (2-E)	YEFX003688		Load Worm Gear Wheel	1	
46 (2-E)	YEFX003690A		Traverse Gear (1)	1	
47 (2-E)	YEFX003691		Traverse Gear (2)	1	
48 (1-D)	YEFX003693		Load Rack (A)	1	
49 (4-A)	YEFX0052030		Anti-Vibration Lever Spring	1	
50 (4-A)	YEFX0051921A		Anti-Vibration Spring	1	
51 (4-F)	YEFX0051922B		Eject Spring	1	
52 (3-F)	YEFX0051924		Magazine Lock Spring	1	
53 (3-E)	YEFX0051926		Rack Pressure Spring	1	
54 (2-B)	YEFX0051928A		Clump Spring	1	
55 (2-E)	YEFX0051932	YEFX0051632A	Switch Lever spring	1	Changed
56 (2-E)	YEFX0051933A		Cum Lever Spring	1	
57 (1-D)	YEFX0051934B		Lifter Spring	1	
58 (2-D)	YEFX0051935		Elevator Link Spring	1	
59 (1-A)	YEFX0051936		Side Cum Spring	1	
60 (1-F)	YEFX0051937	YEFX0051937A	Guide Shaft Spring (A)	1	Changed
61 (1-F)	YEFX0051938	YEFX0051938A	Guide Shaft Spring (B)	1	Changed
62 (1-E)	YEFX0051939		Lead Screw Hold Spring	1	
63 (2-F)	YEFX0051940		Lead Screw Guide Spring	1	
64 (4-B)	YEFX0051943		Magazine Hold Spring	2	
65 (4-B)	YEFX007215A		Cord Clumper	1	

Ref. No.	Change of Parts No. Current → New Parts		Parts Name & Description	Psc set	Remarks
66 (1-A)	YEFX014020		Snap Ring	1	
67	YEFX014040		Snap Ring	5	
68	YEFX014042		Snap Ring	5	
69 (4-E)	YEFX014047		Snap Ring	2	
70 (2-E)	YEFX999840B		Switch Cover	1	
71(3-A, 3-B, 4-C)	YEFX018406		Dumper Holder	4	
72 (3-F)	YEFX018407E		Elevator Motor Ass'y	1	
73 (1-E)	YEFX018409	YEFX018474	Lead Screw Housing (A)	1	Changed
74 (1-F)	YEFX018410	YEFX018475	Lead Screw Housing (B)	1	Changed
75 (4-D)	YEFX018413A		PCB Bracket Ass'y	1	
76 (1-D)	YEFX019057		Lift Control Rod	1	
77 (3-C)	YEFX0451589		Anti-Vibration Lever (F)	1	
78 (4-A)	YEFX0451590		Anti-Vibration Lever (R)	1	
79 (3-D)	YEFX0451597A		Origin Detect Lever	1	
80 (3-E)	YEFX0451598A		Limit Detect Lever	1	
81 (1-D)	YEFX0451602		Slider Lever (B)	1	
82 (2-E)	YEFX0451604A		Cum Lever (B)	1	
83 (2-E)	YEFX0451605B		Cum Lever (C)	1	
84 (3-A)	YEFX0451607		Elevator Cum Plate (R) Ass'y	1	
85 (3-D)	YEFX0451608A		Elevator Cum Plate (F) Ass'y	1	
86 (1-D)	YEFX0451609A		Lifter	1	
87 (1-D)	YEFX0461612		Slider Plate	1	
88 (2-D)	YEFX0461613C		Cum Lever (A) Ass'y	1	
89 (1-D)	YEFX0461614A		Slider Lever (A)	1	
90 (1-D)	YEFX0461616B		Rack Base Ass'y	1	
91 (1-E)	YEFX0461617C	YEFX0461701	Chuck Slider Ass'y	1	Changed
92 (3-F)	YEFX0461627		Magazine Lock Lever	1	
93 (2-E)	YEFX0461628		Switch Lever Ass'y	1	
94 (3-F)	YEFX206124		Magazine Guide	1	
95 (1-D)	YEFX206125B		Disc Guide (R)	1	
96 (1-A)	YEFX206126		Disc Guide (F)	1	
97 (1-D)	YEFX206127A		Load Rack Guide	1	
98 (2-A)	YEFX206128A		Disc Guide (RT)	1	

Ref. No.	Change of Parts No. Current → New Parts		Parts Name & Description	Psc set	Remarks
99 (4-B)	YEFX218274		Magazine Hold Roller	2	
100 (3-E)	YEFX219120		Elevator Motor Retainer	1	
101 (1-A)	YEFX233460A		Clumper	1	
102 (2-A)	YEFX233462A		Clumper Holder	1	
103 (2-B)	YEFX233463A		Disc Holder	1	
104 (3-B)	YEFX233465C		Chuck Guide Holder	1	
105 (1-A)	YEFX249399		Clumper Arm Ass'y	1	
106 (2-A)	YEFX249402B		Chuck Arm Ass'y	1	
107 (1-F)	YEFX9991313		Lead Screw Guide	1	
108 (1-F)	YEFX9991358		Lead Screw Ass'y	1	
109 (1-E)	YEFX0051980A		SW3 Detect Spring	1	
110	YEFS011260		Pad	1	
111 (1-A)	YEFX999957		Steel Ball	1	
112 (4-B)	YEJT03127		Screw	2	
113	YEJT03132		Screw	17	
114 (4-F)	YEJT03135		Screw	2	
116	YEJT03152		Screw	9	
118	YEJT03173		Screw	7	
119 (2-A)	YEJT03174A		Screw	1	
120 (1-E)	YEJS06173		Screw	1	
121 (2-F)	YEP0FX2410		Traverse Motor Ass'y	1	
122 (2-F)	YEP0FX2415		Lording Motor Ass'y	1	
123 (4-E)	YASAK01085		Elevator Motor Ass'y	1	
124 (1-F)	YEP0FX2416		Optical Pick-Up Ass'y	1	
125 (4-D)	YEAP2482A		Elevator Sensor FPC	1	
126 (2-F)	YEAP2483B		Spindle FPC	1	
127 (2-F)	YEAP2484C		Traverse FPC	1	
128 (2-E)	XYN2+J4FX		Screw, 2mm×4mm	1	
129	YEJS06097A		Screw,	7	
130 (1-F)	—	YEP0FX2411	Suspension Ass'y	1	Added

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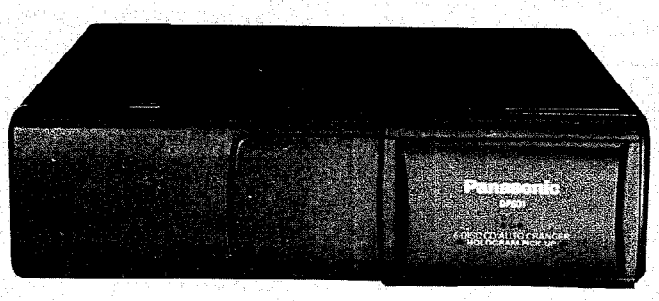
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CX-DP601EN/DP600AEN

6-Disc CD Changer
6-Disc CD-Wechsler



● NTT has applied for trademark registration for MASH.

FEATURES

- Miniature 6-disc CD Autochanger.
- With ACC OFF, Eject Function.
- The CD changer can be mounted at any of the following 5 angles: 0° 22.5° 45° 67.5° 90°

MERKMALE

- Kompakter CD-Wechsler für 6 CDs
- Mit ACC OFF-und EJECT-Funktionen
- Der Abtaster kann in fünf verschiedenen Winkeln installiert werden: 0° 22.5° 45° 67.5° 90°

⚠WARNING

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It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
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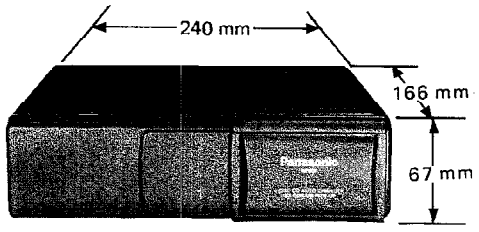
DIMENSIONS / ABMESSUNGEN



Specifications*

General

Power Supply	: 12V DC (11V-16V) Test Voltage 14.4V, Negative Ground
Current Consumption	: Less than 1.0A (play mode)
Output Voltage	: 2V rms (1 kHz, 0 dB)
Output Impedance	: 600 ohms
Disc Magazine Unit	: CA-MP600D (included) holds 6 (12cm) discs

CD Changer Unit

Load Impedance	: More than 10 k ohms
Channel	: 2 channels
Frequency Response	: 5 - 20,000Hz (at ±1 dB)
Signal to Noise Ratio	: 96 dB
Total Harmonic Distortion	: 0.006% (at 1 kHz)
Wow and Flutter	: Below measurable limit
Sampling Frequency	: 8 times oversampling
Corrent: System	: Panasonic Super Decoding Algorithm
DA Converter	: MASH•1 bit
Pick-Up Type	: Astigma 1-beam
Light Source	: Semiconductor laser
Wavelength	: 780nm

Dimensions**

CD Changer Unit (W×H×D) : 240×67×166mm
Disc Magazine Unit (W×H×D) : 121.5×30×131mm

Weight**

CD Changer Unit	: 2.2kg
Disc Magazine Unit	: 0.15kg

* Specifications and the design are subject to possible modification without notice due to improvements.
** Dimensions and weight shown are approximate.

Technische Daten*

Allgemeines

Stromversorgung	: 12V (11V-16V) Gleichspannung, Testpannung 14,4V, negative Erdung
Leistungsaufnahme	: Weniger als 1,0A (Wiedergabe-Betriebsart)
Ausgangsspannung	: 2V effekt. (1kHz, 0 dB)
Ausgangsimpedanz	: 600Ω
CD-Magazin	: CA-MP600D (mitgeliefert) Kann 6 Stück 12 cm-Discs aufnehmen.

CD-Wechsler

Belastungsimpedanz	: Über 10 kΩ
Kanal	: 2 Kanäle
Frequenzgang	: 5 - 20,000 Hz (bei ±1 dB)
Signal / Rauschabstand	: 96 dB
Gesamtklirrfaktor	: 0,006% (bei ±1 kHz)
Gleichlaufschwankungen	: Nicht meßbar
Abtastfrequenz	: 8-fach Oversampling
Korrektursystem	: Panasonic Super Decording Algorithm
DA-Konverter	: MASH.1 Bit
Abtastertyp	: Astigma 1-Strahl
Lichtquelle	: Halbleiter-Laser
Wellenlänge	: 780nm

Abmessungen**

CD-Wechsler (B×H×T)	: 240×67×166mm
CD-Magazin (B×H×T)	: 121,5×30×131mm

Gewicht**

CD-Wechsler	: 2,2kg
CD-Magazin	: 0,15kg

* Bei Konstruktion und technischen Daten Änderungen vorbehalten.
** Admessungen und Gewicht in angenäherten Werten angegeben.

FUSE

Be sure to use a fuse of the specified rating (3.15A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a hazard or damage to the unit.

SICHERUNG

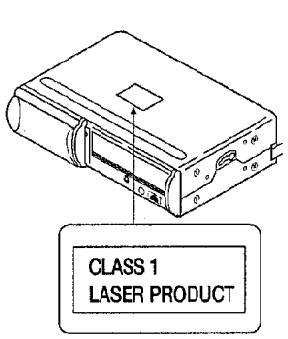
Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3,15A) verwenden. Durch den Gebrauch von Sicherungen mit höheren Nennwerten, von Sicherungsersatzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Geräteschaden verursacht werden.

Laser Products

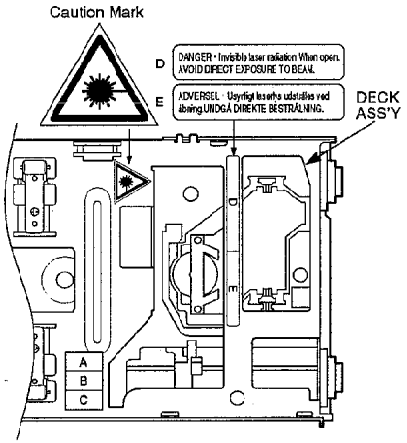
Caution: **This product utilizes a laser.** **Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**	**Laser products:** Wave Length 780 nm Laser Power No hazardous radiation is emitted with safety protection.

Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet.
Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Label Indications and Their Locations



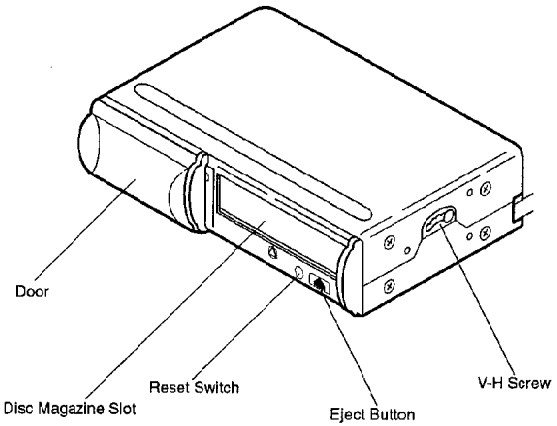
(Located on the top cover.)



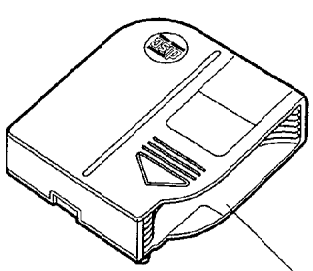
VORSICHT!	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN.
A) VARO!	Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.
B) VARNING!	Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.
C) ADVERSEL!	Usynlig laserstråling når deksel åpnes og sikkerhedslås brytes. Unngå eksponering for strålen.

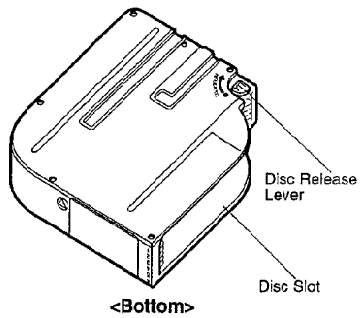
Location of Controls

❑ CD Changer Unit



❑ Disc Magazine



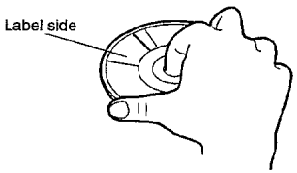


Note: Do not use a 8 cm compact disc.

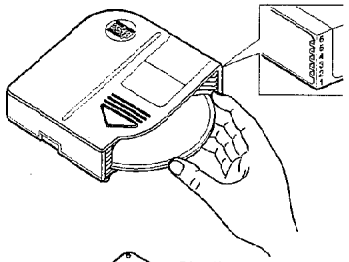
Preparations

❑ To Insert a Disc

① Be sure to hold a disc with the label (the side where titles are printed) up as shown.



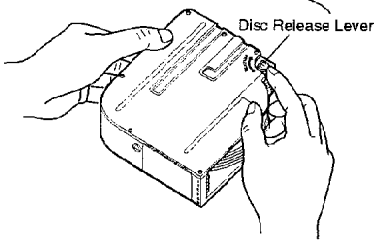
② With the disc mark on the magazine up, insert discs, one at a time, straight into slots of the magazine until it is locked with a click.



Caution
Insert each disc straight and level, not tilted, into a slot to avoid trouble.

❑ To Remove a Disc

① Turn the magazine upside down, hold it level, and turn the disc release lever in the direction of release to unlock.



② The discs can now be removed from the magazine by lightly pushing them through the opening. Be careful not to drop the discs.

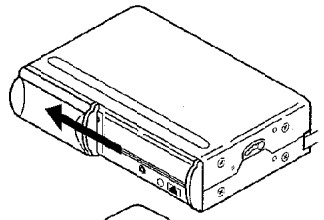
Caution
- Be sure to use the magazine supplied with the unit as an accessory, or the optional magazine CA-MP600D. Any other magazines can not be used.
- Never use protect film or stabilizer,commercially available as a CD accessory, for this unit because it may cause trouble.

How to Use the CD Changer Unit and Disc Magazine

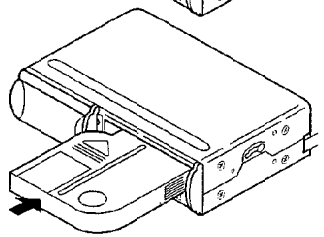
To operate the unit, refer to the operating instructions for your system.

❑ To Load a CD Magazine

① Slide the door to the left until it is fully oper with a click.

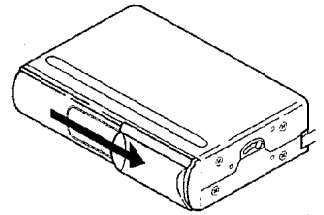


② Check the unit for its top and magazine inserting direction, and carefully push the magazine into it until you hear a click.



③ Close the slide door fully until you hear a click.

Caution
Be sure to keep the CD unit door closed to prevent dirt and dust from getting into the unit and causing possible malfunctions.

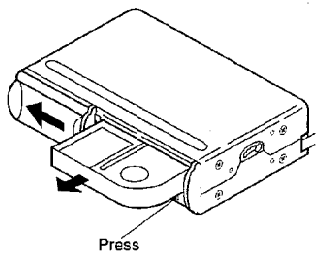


❑ To Remove a CD Magazine

① Open the slide door.

② Press the eject button (⏏).
The magazine will eject automatically.

③ Pull the magazine straight in the direction of the arrow until it comes out of the unit.



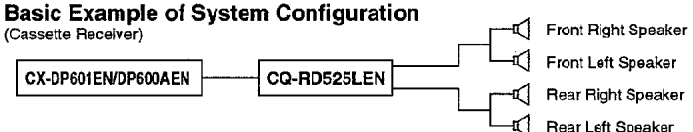
For a description of the functions, refer to the operating instructions for the tuner deck amplifier.

System Diagram

Various types of speakers are available from your dealer. Select the speakers that suit your CD Changer Unit.

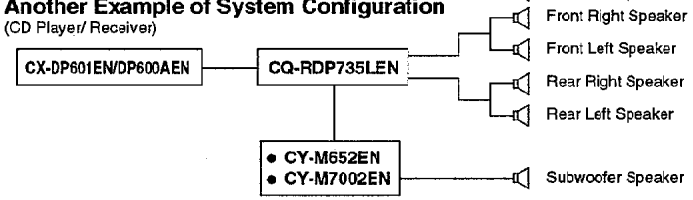
❑ Basic Example of System Configuration

(Cassette Receiver)



❑ Another Example of System Configuration

(CD Player/ Receiver)



Note: In addition to the above system diagrams, please consult your dealer.

Troubleshooting

❑ Helpful Hints

- The CD changer operates in a temperature range from –10°C (14°F) to 55°C (131°F).
- Improper installation or driving on rough roads may cause the CD changer to skip while playing. This will not damage the disc or the unit.

❑ When Something Doesn't Work

Check the charts on the next page for possible causes and solutions to any problem you might be experiencing. Some simple checks or minor adjustments may eliminate the problem.

❑ Error Display Messages

Display	Description
FULL	Displays if more than 35 numbers are memorized. This only applies when the CD Changer control Receiver/Cassette Player has a memory function.
E1	Displays when the compact disc is dirty or when it is inverted. Next compact disc is automatically selectec.
E2	Displays when the compact disc has a scratch on it. Next compact disc is automatically selected.
E3	Displays when the unit stops operating for some reason. Press the eject button of the changer unit.
0000	Displays when there is no disc in the disc magazine.

Numbers before E1, E2 are error disc numbers.

❑ Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

PROBLEM	POSSIBLE CAUSE	PROBABLE SOLUTION
No sound can be heard even if the disc magazine (with compact disc inserted) is properly loaded.	The compact disc is inverted.	Insert the disc with label side facing up.
	The compact disc is very dirty.	Try to clean the compact disc by following instructions on page 9.
	The temperature inside the car is more than 55°C (131°F).	Give the interior a chance to cool down before using the unit.
	Excessive moisture.	Wait for a while before using the unit.
	Wiring connection is not properly done.	Confirm all wiring connection such as power cord, speaker cords, etc.
	Volume control is at "minimum" position.	Adjust the volume control to the proper level.
	Battery or radio fuse was blown out.	Replace the fuse with the correct rating.
Sound distorted due to vibration.	Installation method is bad. V-H screw position (V-22.5° -45° - 67.5° -H) is wrong.	Fix the unit securely. Check the V-H screws position. (See page 7.) Set the V-H screw by monting angle (V,22.5° ,45° ,67.5° , H).
Inverted sound (Left/Right connections)	The speaker cords or RCA extension cords are inverted.	Check the speaker cords or RCA extension cords.
Sound distorted sometimes.	The compact disc may be defective.	Try replacing the disc with another one.
	The compact disc is dirty.	Try to clean the compact disc by following instructions on page 9.
The disc magazine does not eject.	The disc magazine may be defective.	Contact your nearest authorized dealer.
No sound can be heard when CD Play button of CD Control Receiver/Cassette Player is pressed.	CD magazine is not inserted correctly.	Insert CD magazine again.

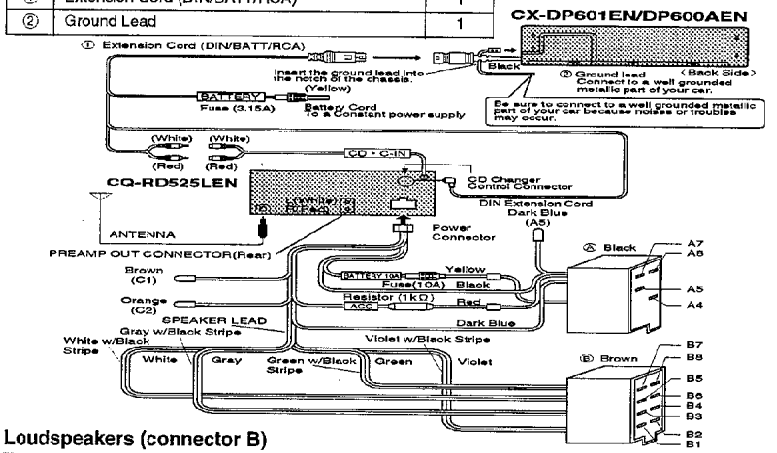
Electrical Connection

- This system is be used only in a 12-volt, DC Battery system (car) with negative ground.
- Follow the wiring connection diagram. Failure to do so may result in damage to the unit.
- First, connect the extension cord ① to the CD changer and then, connect the RCA pin connectors and the extension cord 8p DIN connector to the tuner deck amplifier. Finally, connect the battery cord to a constant power supply.
- Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

In combination with CD Changer Control Receiver/Cassette Player (CQ-RD525LEN)

Wiring Accessory

	Description	Q'ty
①	Extension Cord (DIN/BATT/RCA)	1
②	Ground Lead	1



Loudspeakers (connector B)

	Left +	Left –	Right +	Right –
Front	B5 (White)	B6 (White w/Black Stripe)	B3 (Gray)	B4 (Gray w/Black Stripe)
Rear	B7 (Green)	B8 (Green w/Black Stripe)	B1 (Violet)	B2 (Violet w/Black Stripe)

A4

BATTERY LEAD (To Battery of Car) (Yellow)
Connect to the "BAT" terminal on the fuse block of the car. The power should be supplied continuously to the yellow leads regardless of the on/off position of the ignition key.

A5

MOTOR ANTENNA RELAY CONTROL LEAD (Dark Blue)
(To Motor Antenna) (Max. 500mA)
This lead is not intended for use with switch actuated power antenna.
AMP-RELAY CONTROL POWER LEAD
This lead is for connection to Panasonic power amplifier.

A7

POWER LEAD (Red)
Connect to the "radio" power line of the car or to the "IGN" or "ACC" terminal of the fuse block.

A8

GROUND LEAD (Black)
Connect to a well grounded metallic part of your car.

C1

Horn Alert CONTROL LEAD (Brown)
(To Horn Alert UNIT) (CA-HAL1EN)

C2

TELEPHONE MUTE LEAD (Orange)
(To car telephone mute line)
TELEPHONE MUTE
The telephone mute lead, if connected to the car telephone mute line, will activate the muting circuit and the sound from the speakers cannot be heard while the telephone conversation is in progress.
Note: This telephone mute lead is for connection only to the radio mute line. Be sure to ascertain this because it will not work with other type of output system.

Installation

❑ Precautions

If possible, this equipment should be professionally installed. In case of difficulty, please consult with your nearest professional installer.

1. This unit operates only in a 12-volt DC negative ground system.
2. Before performing installation and wiring, remove the negative (–) terminal of the battery. (See Note Below.)

Note: Do not disconnect the negative battery terminal in vehicles with trip or navigational computers. All electronic memory settings previously registered will be lost. Take extra care to avoid short circuiting when installing the unit.

3. Insulate all exposed wires to prevent short circuiting.
4. Secure all loose wires after installing the unit.
5. **First, connect the extension cord ① (supplied) to the CD changer and then, connect the RCA pin connectors and the extension cord 8p DIN connector to the tuner deck amplifier. Finally, connect the battery cord to a constant power supply.**
6. Please carefully read the operating and installation instructions of any equipment connected to this unit.
7. If the unit doesn't work after prassing other buttons, press the reset switch.

❑ Installation Hardwares

	Description	Q'ty
●	Hex. Bolt with Double Washers (M5 x 10)	4
●	Tapping Screw with Flat Washer (ϕ 6 x 20)	4
●	Base Bracket	2
●	Hex. Nut (M5)	4
●	Mounting Bracket (L)	1
●	Mounting Bracket (R)	1
●	Double-Faced Adhesive Tape	2
●	Dust Seal	2

Installation (Continued)

❑ Installation Location

Do not install this unit on the rear tray of a car where the internal temperature can rise to high levels. Failure to comply with these instructions may cause problems. Also avoid installing the unit in the following locations.

- In areas hit by direct sunlight, hot air from the heater, or any other high-temperature location.
- In an area where you cannot firmly secure the unit, or in high-vibration areas.
- In areas with high humidity or high dirt and dust levels.

Note
Be sure to tighten the screws after setting. Be sure to set the screws on the **both left and right sides**.

Installation and the Mounting Angle

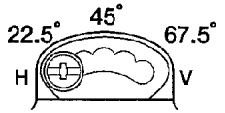
	Horizontal mounting	Mounting at 22.5°
Installation	CORRECT / WRONG Normal Position / Inverted Position	CORRECT / WRONG
Angle	Set to 10° MAX Set to 10° MAX	Top side of unit. Set to 10° MAX Set to 10° MAX 22.5°
V-H Screw Position	22.5° 45° 67.5° H V 67.5° 45° 22.5° V H Left side / Right side	22.5° 45° 67.5° H V 67.5° 45° 22.5° V H Left side / Right side
Position of screw holes of mounting bracket	H L R H (L) (R)	22.5° 22.5° L R (L) (R)

You can install this unit either horizontally by 22.5° ,45° ,67.5° or vertically. See the figure below for mounting angle.

❑ V-H Screw Setting

Loosen two V-H screws, one on the right side and the other on the left of the CD changer unit, and slide them to position V, H, 22.5°, 45°, or 67.5°. (The V-H screws are originally set to position H before shipment from the factory.)

- **Horizontal mounting** : Slide the V-H screws to position H.
- **Mounting at 22.5°** : Slide the V-H screws to position 22.5°.
- **Mounting at 45°** : Slide the V-H screws to position 45°.
- **Mounting at 67.5°** : Slide the V-H screws to position 67.5°.
- **Vertical mounting** : Slide the V-H screws to position V.



For left side

Mounting at 45°	Mounting at 67.5°	Vertical mounting
CORRECT / WRONG	CORRECT / WRONG	CORRECT / WRONG
Set to 10° MAX Top side of unit. Set to 10° MAX 45°	Set to 10° MAX Set to 10° MAX Top side of unit. 67.5°	Do not slope in this direction Set to 10° MAX Top side of unit.
22.5° 45° 67.5° H V 67.5° 45° 22.5° V H Left side / Right side	22.5° 45° 67.5° H V 67.5° 45° 22.5° V H Left side / Right side	22.5° 45° 67.5° H V 67.5° 45° 22.5° V H Left side / Right side
45° L R (L) (R)	67.5° 67.5° L R (L) (R)	V V L R (L) (R)

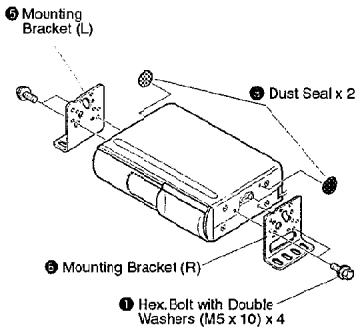
Installation (Continued)

❑ Mounting Options

Horizontal installation

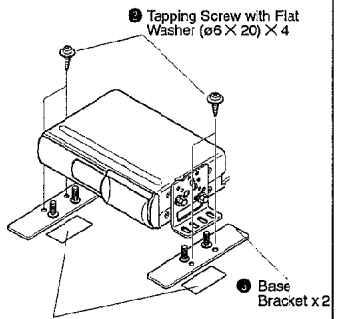
If the unit is installed at 22.5°, attach the dust seal to the same position as in horizontal installation. If the unit is installed at 67.5°, attach it to the same position as in vertical installation.

1 Fasten the mounting brackets to both sides of the unit with hex bolts with double washers (M5 × 10).



Cover two mounting holes (on both sides) with dust seals, then fasten the mounting brackets.

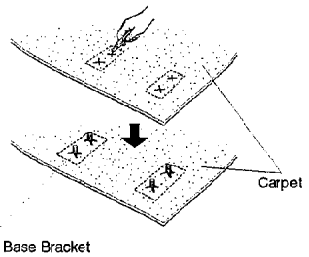
2 Select a location to install the unit on the carpet.



- Mark the 4 hole locations and drill a 4.5 mm hole in each.
- Install the unit with 4 tapping screws ❷ and 2 double-faced adhesive tapes ❼.

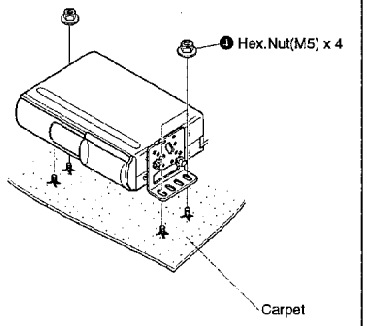
Caution:
- You run the risk of interfering with the mounting or causing damage by drilling into the gas tank, a wiring harness, or other component.

3 Cut the carpet in a cross where the bracket bolts are to pass through.



- Install the base brackets and double-faced adhesive tapes under the carpet.

4 Install the unit with 4 hex.nuts ❶.

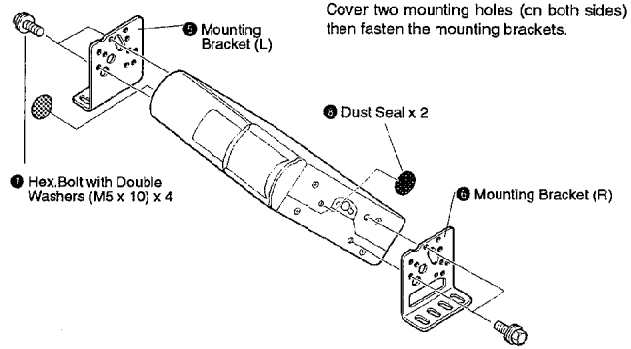


45° Installation

At whichever angle, 22.5° or 67.5°, the unit is installed, use the holes in the mounting brackets that suit the mounting angle.

1 Fasten the mounting brackets to both sides of the unit with hex bolts with double washers (M5 x 10).

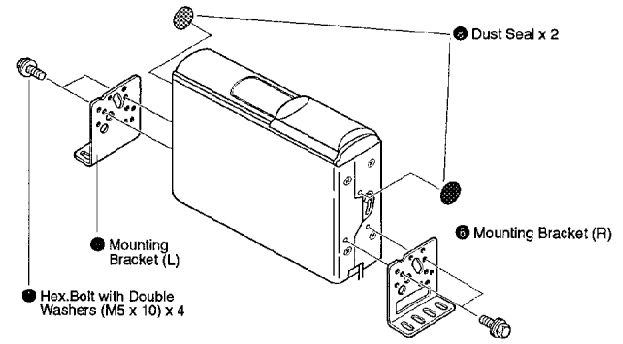
Cover two mounting holes (on both sides) with dust seals, then fasten the mounting brackets.



Vertical Installation

1 Fasten the mounting brackets to both sides of the unit with hex bolts (M5 × 10) with double washers.

Cover two mounting holes (on both sides) with dust seals, then fasten the mounting brackets.



Steps 2, 3, and 4 for mounting the unit at 22.5°, 45°, 67.5° or vertically are similar to those for horizontal installation.

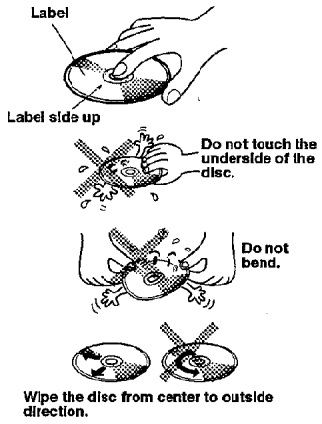
Special Notes

❑ Notes on Compact Discs

USE ONLY DISCS CARRYING THIS LABEL

COMPACT disc DIGITAL AUDIO

- Dirt, dust, scratches and bending of discs will cause misoperation. Handle discs with care.
- Do not place stickers or scratch the disc.
- Do not bend discs.
- Discs should always be kept in their cases when not in use to prevent damage.
- Do not place discs in the following places:
  1. In direct sunlight;
  2. In dirty, dusty and damp areas;
  3. Near the vehicle heater;
  4. On the seats or dashboard.

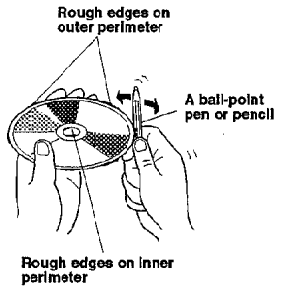


Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is dirty use a soft cloth slightly dampened in iso-propyl (rubbing) alcohol. Never use solvents such as benzine, thinner, conventional record cleaner, or mopper as they may mar the surface of the disc.

❑ Caution for use of a new Disc

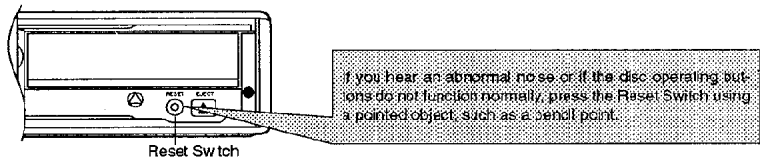
A new disc may have rough edges or its inner and outer perimeter. If a disc with rough edges is used, proper setting will not be possible and the CD player will not play the disc. Therefore, remove the rough edges in advance by using a ball-point pen or pencil as shown on right. To remove the rough edges, press the side of the pen or pencil against the inner and outer perimeter of the disc.



Exterior Cleaning

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzine, thinner, or any other type of solvents.

In case of abnormal operating conditions happen!!


If you hear an abnormal noise or if the disc operating buttons do not function normally, press the Reset Switch using a pointed object, such as a pencil point.
Reset Switch

Fuse

Be sure to use a fuse of the specified rating (3.15A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a hazard or damage to the unit.

Accessories

- 1 disc magazine (CA-MP600D).
- Operating and installation instructions.
- Wiring Accessory (1 set)
- Installation hardwares (1 set)
- Additional magazines are available from your local dealer.

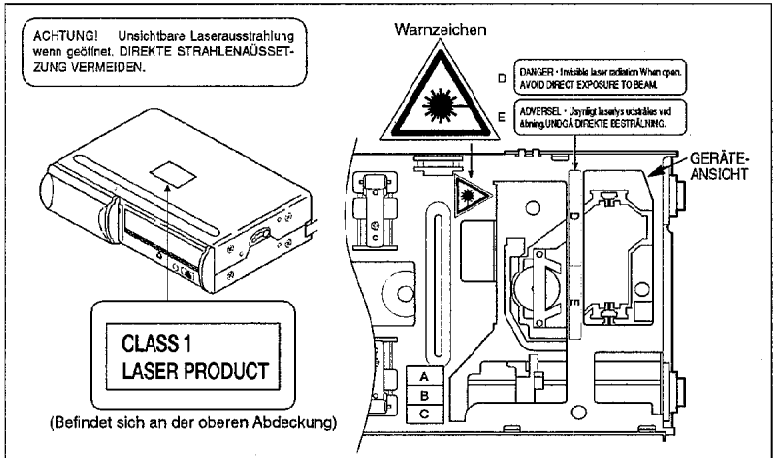
Laser Erzeugnisse

Vorsicht:
Dieses Gerät arbeitet mit Laserstrahlen. Benutzung der Bedienungselemente anders als in der Bedienungsanleitung beschrieben oder Veränderungen der Betriebsweise können zu gefährlicher Strahlenaussetzung führen.

Laser-Erzeugnisse:
Wellenlänge 780 nm
Laser Energie Mit Sicherheitsschutz entweicht keine gefährliche Strahlung.

Öffnen Sie dieses Gerät nicht, und versuchen Sie unter keinen Umständen, am Gerät herumzubasteln.
Dieses Gerät ist ein sehr kompliziertes Instrument, welches einen Laserstrahl benutzt,um die auf der Oberfläche der CDs gespeicherten Informationen das abzulesen. Der Laserstrahl ist sorgfältig abgeschirmt, so daß die Strahlung innerhalb des Gerätes verbleibt.
Aus diesem Grunde öffnen Sie das Gerät auf keinen Fall, und versuchen Sie unter keinen Umständen Geräteteile zu verändern. Sie können sich unter Umständen gefährlicher Strahlung und Stromspannung aussetzen.

Warnetiketten und deren Anbringungsort

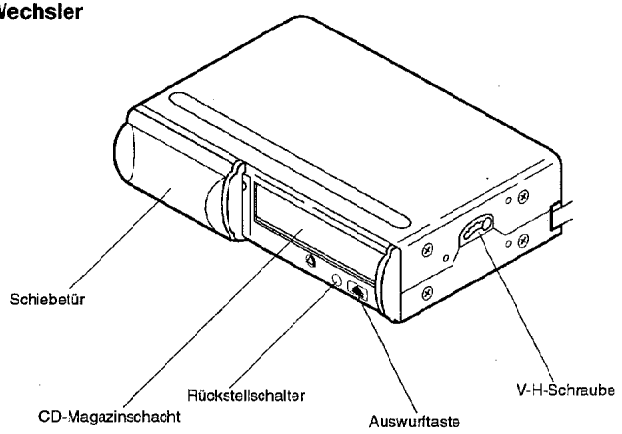


(Befindet sich an der oberen Abdeckung)

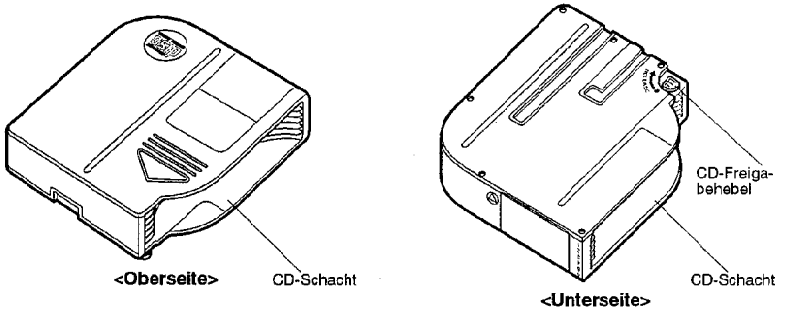
VORSICHT!	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET IST, NICHT DEM LASERSTRAHL AUSSETZEN.
A) VARO!	Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.
B) VARNING!	Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.
C) ADVERSEL!	Usynlig laserstråling når deksel åpnes og sikkerhedslås brytes. Unngå eksponering for strålen.

Lage der Bedienungselemente

❑ CD-Wechsler



❑ CD-MAGAZIN

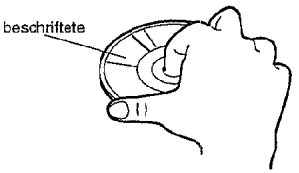


Achtung : Keine 8cm-Compact-Disc Verwenden.

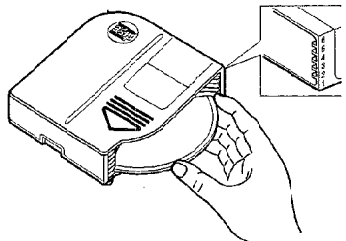
Vorbereitungen

❑ Einsetzen einer CD

① Die CD mit der beschrifteten seite (auf der die Titel aufgedruckt sind) gemäß Abbildung halten.



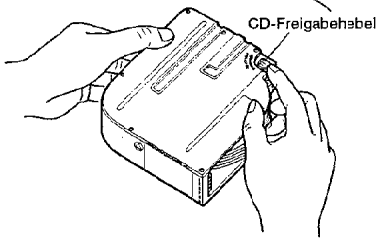
② Beim Laden des Magazins muß die "Disc-Markierung" nach oben zeigen. Die CDs einzeln und gerade in die Schlitze des Magazins einsetzen, bis sie mit einem Rastgeräusch einrasten.



Vorsicht
Jede CD gerade und waagerecht in einen Schlitz einsetzen, um Störungen zu vermeiden.

❑ Entfernen einer CD

① Das Magazin umdrehen, waagerecht halten und den CD-Freigabehebel in die Richtung für die Freigabe drehen.



② Die CDs können nun aus dem Magazn entfernt werden, indem sie leicht durch die Öffnung gedrückt werden. Darauf achten, daß die CDs nicht fallen gelassen werden.

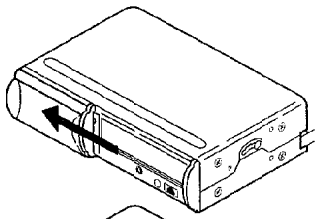
Vorsicht
- Unbedingt das mit der Einheit als Zubehör mitgelieferte Magazin oder das optionale Magazin CA-MP600D verwenden. Andere Magazine können nicht verwendet werden.
- Niemals einen Schutzfilm oder Stabilisator (im Fachhandel als CD-Zubehör erhältlich) für den CX-DP600 verwenden, da dies zu Störungen führen kann.

Verwendung von CD-Wechsler und CD-Magazin

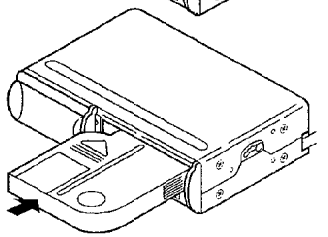
Für den Betrieb der Einheit die Bedienungsanleitung Ihres Autoradios beachten.

❑ Laden eines CD-Magazins

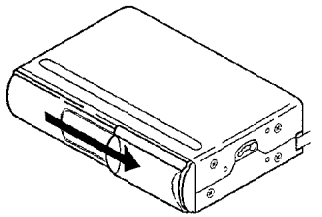
① Die Tür nach links schieben, bis sie mit einem Rastgeräusch vollständig geöffnet ist.



② Die Einheit auf seine Oberseite und die Magazin-Einsetzrichtung überprüfen, und das Magazin vorsichtig einschieben, bis Sie ein Einrastgeräusch vernehmen.



③ Die Schiebetür vollständig schließen, bis Sie ein Einrastgeräusch hören.



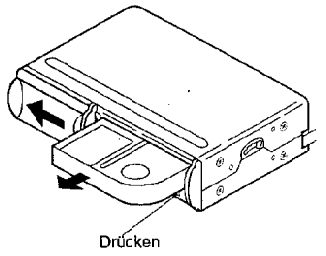
Vorsicht
Die Tür der CD-Einheit geschlossen halten, um das Eindringen von Schmutz und Staub in die Einheit zu verhindern und möglichen Störungen vorzubeugen.

❑ Entfernen eines CD-Magazins

① Die Schiebetür öffnen.

② Die Auswurftaste (▲) drücken. Das Magazin wird automatisch ausgeworfen.

③ Das Magazin gerade in Richtung des Pfeiles aus der Einheit ziehen.



Für die Beschreibung der Funktionen siehe die Bedienungsanleitung des Autoradios.

Systemdiagramm

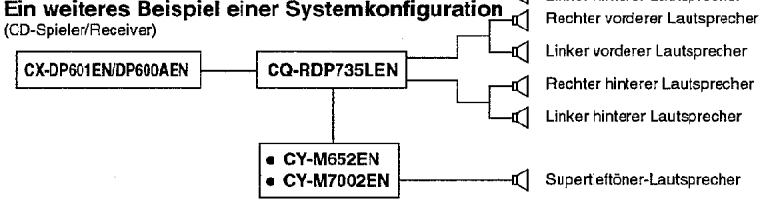
Verschiedene Typen von Lautsprechern sind bei Ihrem Fachhändler erhältlich. Wählen Sie die zu Ihrem Steuergerät bzw. Endstufen passenden Lautsprecher.

❑ Grundbeispiel einer Systemkonfiguration

(Cassettenspieler/Receiver)

❑ Ein weiteres Beispiel einer Systemkonfiguration

(CD-Spieler/Receiver)



Hinweis: Zusätzlich zu den obigen Systemdiagrammen sollten Sie Ihren Fachhändler zu Rate ziehen.

Störungsbeseitigung

❑ Nützliche Hinweise

- Der CD-Wechsler arbeitet in einem Temperaturbereich von –10°C bis 55°C.
- Durch einen unvorschriftsmäßigen Einbau oder durch Fahren auf unebenen Straßen können beim CD-Wechsler während der Wiedergabe Tonausfälle auftreten. Dadurch werden jedoch die CDs oder das Gerät nicht beschädigt.

❑ Wenn etwas nicht funktioniert

Beim Auftreten irgendwelcher Störungen anhand der Tabellen auf der folgenden Seite die mögliche Ursachen ausfindig machen und entsprechende Abhilfemaßnahmen treffen. Einige einfache Überprüfungen oder kleine Einstellungen können das Problem bereits beheben.

❑ Fehleranzeige

Display	Beschreibung
FULL	Wird angezeigt, wenn mehr als 35 Nummern abgespeichert werden. Dies trifft nur zu, wenn der CD-Wechsler/Receiver/Cassettenspieler eine Speicherfunktion aufweist.
E1	Leuchtet auf, wenn die Compact-Disc verschmutzt oder verkehrt eingesetzt ist. Die nächste Compact-Disc wird automatisch angewählt.
E2	Leuchtet auf, wenn die Compact-Disc einen Kratzer aufweist. Die nächste Compact-Disc wird automatisch angewählt.
E3	Leuchtet auf, wenn die Einheit aus irgendeinem Grund den Betrieb einstellt. Die Auswurftaste des CD-Wechslers drücken.
0000	Wird angezeigt, wenn sich keine Disc im Disc-Magazin befindet.

Die Nummern vor E1, E2 sind Fehler-Disc-Nummern.

❑ Störungsbeseitigung

Bevor Sie sich an einen Kundendienst wenden, sollten Sie anhand der nachfolgenden Tabellen die möglichen Ursachen für das jeweilige Problem überprüfen und die geeigneten Abhilfen treffen. Einige einfache Prüfungen oder kleine Einstellungen können das Problem beheben und einen richtigen Betrieb sicherstellen. Falls anhand dieser Prüfungen und den in der Tabelle angegebenen Abhilfen das Problem nicht gelöst werden kann, wenden Sie sich bitte an die nächste Panasonic-Kundendienststelle.

Problem	Mögliche Ursache	Abhilfe
Kein Ton, auch wenn ein CD-Magazin (mit eingesetzten Compact-Discs) richtig eingesetzt ist.	Die Compact-Disc ist verkehrt eingelegt.	Die CD mit der beschrifteten Seite nach oben einsetzen.
	Die Compact-Disc ist stark verschmutzt.	Die Compact-Disc gemäß den Anweisungen auf Seite 16 reinigen.
	Die Temperatur im Fahrzeug beträgt mehr als 55°C	Lassen Sie den Innenraum abkühlen, bevor Sie den Wechsler benutzen.
	Übermäßige Feuchtigkeit.	Einige Zeit warten, bevor Sie den Wechsler benutzen.
	Die Verdrahtung ist nicht richtig ausgeführt.	Die Verdrahtung und Anschlüsse des Stromkabels, der Lautsprecherkabel usw. überprüfen.
	Der Lautstärkeregler ist auf Minimum gestellt.	Den Lautstärkeregler auf einen geeigneten Pegel einstellen.
	Batterie oder Sicherung des Radios ist durchgebrannt.	Die Sicherung auswechseln.
Ton verzerrt aufgrund von Vibrationen.	Der Einbau ist fehlerhaft. Die Position der V-H-Schraube (V-22,5°-45°-67,5°-H) ist falsch.	Die Einheit richtig anbringen. Die Position der V-H-Schraube kontrollieren (siehe Seite14). Die V-H-Schraube gemäß Einbauwinkel einstellen (V, 22,5°, 45°, 67,5°, H).
Kanäle (links/rechts) vertauscht.	Die Lautsprecherkabel oder die RCA-Verlängerungskabel sind vertauscht.	Die Lautsprecherkabel und die RCA-Verlängerungskabel auf richtige Kanalzugehörigkeit prüfen.
Klang ist manchmal verzerrt.	Die Compact-Disc ist schadhaft.	Die Compact-Disc durch eine neue CD ersetzen.
	Die Compact-Disc ist verschmutzt.	Die Compact-Disc gemäß den Anweisungen auf Seite16 reinigen.
Das CD-Magazin kann nicht ausgeworfen werden.	Die Compact-Disc ist schadhaft.	Wenden Sie sich an Ihren nächsten autorisierten Fachhändler.
Kein Ton hörbar, auch wenn die CD-Spieltaste des CD-Spielers/Receivers/Cassettenspielers gedrückt wird.	Das CD-Magazin ist nicht richtig eingesetzt.	Das CD-Magazin erneut richtig einsetzen.

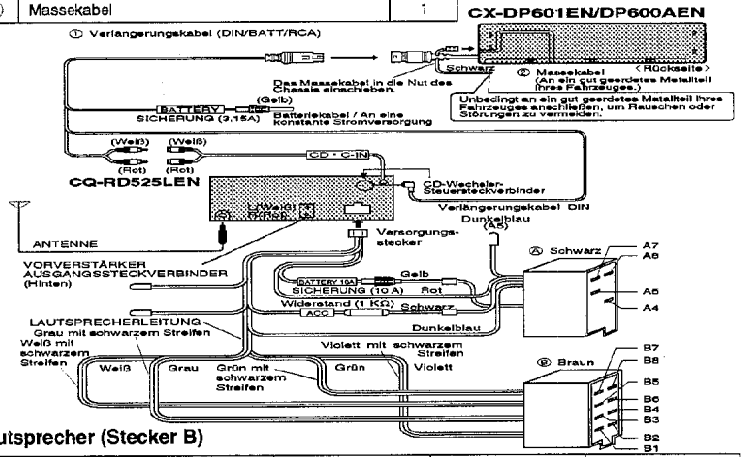
Elektrischer Anschluß

- Dieses Gerät darf nur in einer 12-Volt-Gleichstrom-Batterieanlage (Fahrzeug) mit negativer Erdung verwendet werden.
- Gemäß dem Anschlußdiagramm vorgehen. Wird dies unterlassen, kann eine Beschädigung des Gerätes die Folge sein.
- Zuerst das Verlängerungskabel ① an den CD-Wechsler anschließen und danach die Cinch-Stecker und den 8poligen DIN-Stecker des Verlängerungskabels an den Tuner/Verstärker anschließen. Zum Schluß noch das Batteriekabel an eine konstante Stromversorgung anschließen.
- Die Betriebs- und Einbauanleitungen der jeweiligen Ausrüstung aufmerksam durchlesen, bevor diese an das Gerät angeschlossen wird.

In Kombination mit dem CD-Wechsler/Steuerreceiver/Cassettenspieler (CQ-RD525LEN)

Verdrahtungszubehör

	Beschreibung	Stückzahl
①	Verlängerungskabel (DIN/BATT/RCA)	1
②	Massekabel	1



Lautsprecher (Stecker B)

	Linker +	Linker –	Rechter +	Rechter –
Vorne	B5 (Weiß)	B6 (Weiß mit schwarzem Streifen)	B3 (Grau)	B4 (Grau mit schwarzem Streifen)
Hinten	B7 (Grün)	B8 (Grün mit schwarzem Streifen)	B1 (Violett)	B2 (Violett mit schwarzem Streifen)

A4

BATTERIEKABEL (Zur Fahrzeugbatterie) (Gelb)
Mit dem Anschluß "BAT." am Sicherungsblock des Fahrzeugs verbinden.
Das gelbe Kabel muß unabhängig von der Stellung des Zündschlüssels ständig Spannung führen.

A5

STEUERKABEL FÜR RELAIS DER AUTOMATISCHEN ANTENNE (Dunkelblau)
(Zu automatischer Antenne) (Max. 500 mA) (Dieses Kabel ist nicht zur Verwendung mit einer schalterbetätigten automatischen Antenne bestimmt.)
VERSTÄRKER/RELAIS-STEUERSTROMLEITUNG
Diese Leitung ist zum Anschließen an den Panasonic-Leistungsverstärker vorgesehen.

A7

STROMVERSORGUNGSKABEL (Rot)
Mit der Radio-Stromversorgungsleitung des Fahrzeugs bzw. mit dem Anschluß "IGN" oder "ACC" am Sicherungsblock verbinden.

A8

MASSEKABEL (Schwarz)
Mit einem Metallteil des Fahrzeugs mit einwandfreiem Masseanschluß verbinden.

C1

Steuerkabel des Autoradio-Alarmadapters (Braun)
(Zum Autoradio-Alarmadapter) (CA-HAL1EN).

C2

TELEFON-STUMMSCHALTUNGSKABEL (Orange)
(Zu Fahrzeug-Telefon-Stummschaltungsleitung)
TELEFON-STUMMSCHALTUNG
Wenn das Telefon-Stummschaltungskabel mit der Fahrzeug-Telefon-Stummschaltungsleitung verbunden ist, wird die Stummschaltung während eines Telefongespräches aktiviert, und von den Lautsprechern ist kein Ton zu hören.
Hinweis: Diese Radio-Stummschaltungsleitung ist nur zum Anschluß an das Telefon-Stummschaltungskabel gedacht. Diesen Punkt unbedingt beachten, da die Stummschaltung mit einem anderen Ausgangssystemtyp nicht funktioniert.

Einbau

❑ Vorsichtsmaßnahmen

Dieses Gerät sollte möglichst fachmännisch eingebaut werden. Im Falle von Schwierigkeiten wenden Sie sich bitte an Ihren nächsten fachkundigen Monteur.

1. Dieses Gerät funktioniert nur in einer 12V-Gleichstromanlage mit negativer Erdung.
2. Vor dem Einbau und der Verdrahtung die negative (–) Klemme der Batterie abtrennen. (Siehe folgenden Hinweis.)

Hinweis: Die negative Batterieklemme nicht in Fahrzeugen abtrennen, die mit Fahrt- oder Navigations-Computern ausgerüstet sind. Alle elektronischen Speichereinstellungen, die früher registriert worden sind, werden gelöscht. Beim Einbauen des Gerätes besonders vorsichtig sein, um Kurzschüsse zu vermeiden.

3. Alle freiliegenden Drähte isolieren, um Kurzschlüsse zu vermeiden.
4. Nach dem Einbau des Gerätes alle losen Drähte festmachen.
5. **Zuerst das Verlängerungskabel ① an den CD-Wehcsler anschließen und danach die Cinch-Stecker und den 8poligen DIN-Stecker des Verlängerungskabels an den Tuner/Verstärker anschließen. Zum Schluß noch das Batteriekabel an eine konstante Stromversorgung anschließen.**
6. Die Betriebs- und Einbauanleitungen von dem Gerät, an das Sie den CD-Wechsler anschließen wollen, aufmerksam durchlesen.
7. Falls das Gerät nach dem Drücken von anderen Tasten nicht funktioniert, den Rückstellschalter drücken.

❑ Einbau-Teileliste

	Beschreibung	Stückzahl
❶	Sechskantschraube mit doppelten Unterlegescheiben (M5 x 10)	4
❷	Blechschraube mit Scheiben (ø6 x 20)	4
❸	Bodenhalterung	2
❹	Sechskantmutter (M5)	4
❺	Einbauhalterung (L)	1
❻	Einbauhalterung (R)	1
❼	Doppelseitiges Klebeband	2
❽	Staubdichtung	2

Einbau (Fortsetzung)

❑ Einbauort

Dieses Gerät nicht auf der Hutablage im Fond des Fahrzeuges einbauen, da dort die Temperatur sehr hoch ansteigen kann. Nichtbeachtung dieser Anweisung kann zu Störungen führen. Außerdem das Gerät nicht an den folgenden Orten einbauen.

- An Orten, die direkter Sonnenbestrahlung, Warmluft von der Heizanlage oder sonstwie hohen Temperaturen ausgesetzt sind.
- An einem Ort, an dem das Gerät nicht einwandfrei befestigt werden kann, oder an Orten mit starker Vibration.
- An Orten mit hoher Luffeuchtigkeit bzw. mit viel Schmutz und Staub.

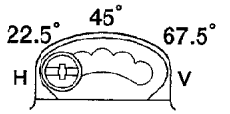
Hinweis:
Unbedingt die Schrauben nach der Einstellung festziehen. Die Schrauben an der linken und an der rechten Seite einstellen.

Sie können diese Einheit horizontal, unter 22,5°, 45°, 67,5° oder vertikal einbauen. Für den Einbauwinkel siehe folgende Abbildung.

❑ Einstellung der V-H-Schraube

Zwei V-H-Schrauben (eine an der rechten Seite und die andere an der linken Seite des CD-Wechslers) lösen und in die Position V, H, 22,5°, 45° oder 67,5° schieben. (Vor dem Versand wurden die V-H-Schrauben auf die Position H eingestellt.)

- **Horizontaler Einbau** : Die V-H-Schrauben auf Position H schieben.
- **Einbau unter 22,5°** : Die V-H-Schrauben auf Position 22,5° schieben.
- **Einbau unter 45°** : Die V-H-Schrauben auf Position 45° schieben.
- **Einbau unter 67,5°** : Die V-H-Schrauben auf Position 67,5° schieben.
- **Vertikaler Einbau** : Die V-H-Schrauben auf Position V schieben.



Für Linke Seite

Einbauvorgang und Montagewinkel

	Horizontaler Einbau	Einbau unter 22,5°	Einbau unter 45°	Einbau unter 67,5°	Vertikaler Einbau
Einbau	RICHTIG FALSCH Normale Position / Umgekehrte Position	RICHTIG FALSCH	RICHTIG FALSCH	RICHTIG FALSCH	RICHTIG FALSCH
Winkel	Auf höchstens 10° einstellen. / Auf höchstens 10° einstellen.	Oberseite des Gerätes / Auf höchstens 10° einstellen / Auf höchstens 10° einstellen. / 22,5°	Oberseite des Gerätes / Auf höchstens 10° einstellen. / Auf höchstens 10° einstellen. / 45°	Auf höchstens 10° einstellen. / Auf höchstens 10° einstellen. / Oberseite des Gerätes / 67,5°	Nicht in diese Richtung neigen / Auf höchstens 10° einstellen. / Oberseite des Gerätes
Position der V-H-Schraube	22.5° 45° 67.5° H V / 67.5° 45° 22.5° V H Linke Seite / Rechte Seite	22.5° 45° 67.5° H V / 67.5° 45° 22.5° V H Linke Seite / Rechte Seite	22.5° 45° 67.5° H V / 67.5° 45° 22.5° V H Linke Seite / Rechte Seite	22.5° 45° 67.5° H V / 67.5° 45° 22.5° V H Linke Seite / Rechte Seite	22.5° 45° 67.5° H V / 67.5° 45° 22.5° V H Linke Seite / Fechte Seite
Position der Schrauben-bohrungen der Einbau-hallerung	H / H (L) / (R)	22.5° 22.5° (L) / (R)	45° (L) / (R)	67.5° 67.5° (L) / (R)	V V (L) / (R)

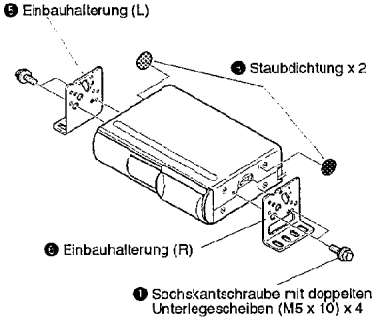
Einbau (Fortsetzung)

❑ Einbaumöglichkeiten

Horizontaler Einbau

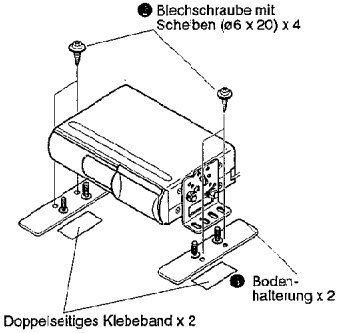
Falls die Einheit unter einem Winkel von 22,5° eingebaut wird, die Staubdichtung an der gleichen Position wie für den horizontalen Einbau anbringen. Falls die Einheit unter einem Winkel von 67,5° eingebaut wird, die Staubdichtung an der gleichen Position wie für den vertikalen Einbau anbringen.

1 Die Einbauhalterungen mit Sechskantschrauben (M5x10) mit doppelten Unterlegescheiben an beiden Seiten der Einheit anbringen.


❺ Einbauhalterung (L)
❹ Staubdichtung x 2
❻ Einbauhalterung (R)
❶ Sechskantschraube mit doppelten Unterlegescheiben (M5 x 10) x 4

Zwei Befestigungsbohrungen (an beiden Seiten) mit den Staubdichtungen abdecken und danach die Einbauhalterungen befestigen.

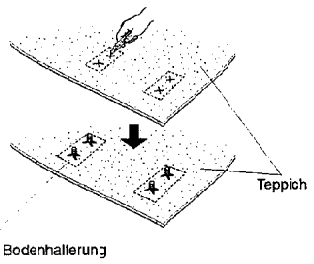
2 Einen Ort wählen, an dem das Gerät auf dem Teppich montiert wird.



- Vier Löcherpositionen markieren und jeweils ein 4,5 mm Loch bohren.
- Das Gerät mit 4 Blechschraube mit Scheiben ❸ und 2 doppelseitigen Klebebändern ❼ montieren.

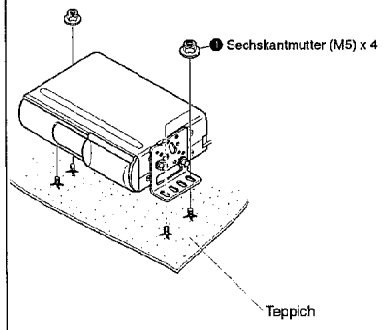
Vorsicht:
- Es besteht die Gefahr einer Behinderung der Montage bzw. einer Beschädigung durch Anbohren des Kraftstoffbehälters, eines Kabelbaums oder eines anderen Bauteils.

3 Mit dem Schneider kreuzförmige Schnitte in den Teppich machen.



- Die Bodenhalterungen und doppelseitigen Klebebänder unter dem Teppich anbringen.

4 Das Gerät mit 4 Sechskantmuttern ❶.

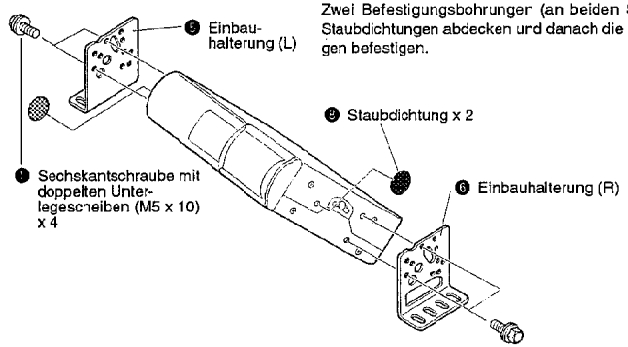


45° Einbau

Unter welchem Winkel (22,5° oder 67,5°) die Einheit auch immer eingebaut wird, die zum Einbauwinkel passenden Löcher in den Einbauhalterungen verwenden.

1 Die Einbauhalterungen mit Sechskantschrauben (M5x10) mit doppelten Unterlegescheiben an beiden Seiten der Einheit anbringen.

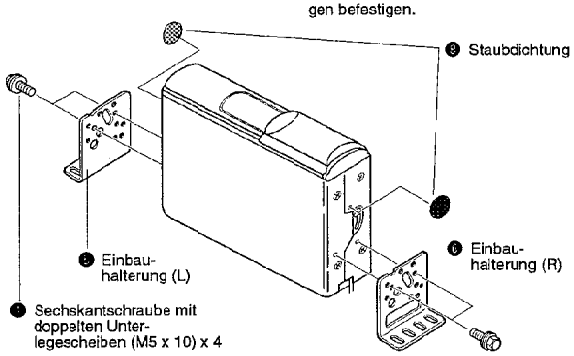
Zwei Befestigungsbohrungen (an beiden Seiten) mit den Staubdichtungen abdecken und danach die Einbauhalterungen befestigen.


❺ Einbauhalterung (L)
❹ Staubdichtung x 2
❶ Sechskantschraube mit doppelten Unterlegescheiben (M5 x 10) x 4
❻ Einbauhalterung (R)

Vertikaler Einbau

1 Die Einbauhalterungen mit Sechskantschrauben (M5x10) mit doppelten Unterlegescheiben an beiden Seiten der Einheit anbringen.

Zwei Befestigungsbohrungen (an beiden Seiten) mit den Staubdichtungen abdecken und danach die Einbauhalterungen befestigen.


❸ Staubdichtung x 2
❺ Einbauhalterung (L)
❻ Einbauhalterung (R)
❶ Sechskantschraube mit doppelten Unterlegescheiben (M5 x 10) x 4

Die Schritte [2], [3] und [4] für den Einbau der Einheit unter 22,5°, 45°, 67,5° oder vertikal sind gleich wie für den horizontalen Einbau.

TERMINALS DESCRIPTION (1) / KLEMMENBESCHREIBUNG (1)

■IC11 MN1882417BEB

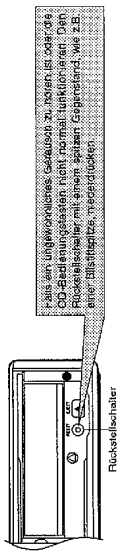
Pin No.	Signal Name	Port	Description	I/O	Vol. (V)
1	NC	P55	—	—	—
2	LMP2	P54	Loading Motor Control	O	0V
3	LMP1	P53	Loading Motor Control	O	0V
4	EMP3	P52	Elevator Motor Control	O	0V
5	EMP2	P51	Elevator Motor Control	O	0V
6	EMP1	P50	Elevator Motor Control	O	0V
7	—	VDD	+5V	I	5.0V
8	—	OSC1	8.38MHz Crystal Oscillator	I	2.5V
9	—	OSC2	8.38MHz Crystal Oscillator	I	2.6V
10	—	VSS	Connecting Ground	—	0V
11	—	XI	Connecting Ground	—	0V
12	NC	XO	—	—	—
13	—	EXI	Connecting Ground	—	0V
14	—	RST	CPU reset L : Reset	I	5.0V
15	EJECT/M-IN	IRQ2 P26	L: EJECT SW or Magazine IN detection	I	0V
16	ACC.SENS	IRQ1 P25	ACC Detection L : ACC ON	I	5.0V
17	BATTSENS	IRQ0 P24	Battery Detection Input	I	5.0V
18	NC	P17	—	—	—
19	NC	P16	—	—	—
20	D.MUTE	P75	Muting	O	0V
21	P.DOWN	P74	Retrieved clock pulse generation Power supply control H:ON	O	5.0V
22	P.ON	P73	Other power supply controls	O	5.0V
23	TSO (NC)	P72	—	—	—
24	CH.STB	P71	Communication port to head unit	O	0V
25	NC	P70	—	—	—
26	NC	P47	—	—	—
27	NC	(SIFit)P46	—	—	—
28	—	(PWM2-)P45	—	O	2.5V

Pin No.	Signal Name	Port	Description	I/O	Vol. (V)
29	TRV	(PWM2+)P44	Enforced traverse control H: inner radius motion L: outer radius motion Normal: high impedance (IN MODE)	I/O	2.6V
30	MCLK	(KEY3)P95	Clock for servo LSI	O	5.0V
31	MLD	(KEY4)P94	Data latch for servo LSI	O	0V
32	NC	P43	—	—	—
33	OFTR	(PWM1-)P42	OFF Track Signal	I	0V
34	SDO	(PWM1+)P41	Drop out Signal	I	0V
35	NC	(PWM0-)P40	—	—	—
36	TSI	(PWM0+)P22	Serial data communication input signal every 5ms 8 bit negative logic	I	5.0V
37	TEST	(PCI02)P21	Jig mode if GND&RESET (for job process)	I	5.0V
38	—	(TCI01)P20	(Connecting Ground)	I	0V
39	SCCK	(SBT2)P17	EX-clock for Subcord Q	O	5.0V
40	SUBQ	SBD2 P16	Subcord Q-card	I	2.8V
41	NC	P15(TRXC)	—	—	—
42	J0	P14(RXD)	Communication format to head unit (input port)	I	0V
43	REMO	P13(TXD)	Communication port to head unit (input)	I	5.0V
44	CHCLK	P12(SBT1)	Communication port to head unit	O	5.0V
45	NC	P11(SBI1)	—	—	—
46	CH.DATA	P10(SBO1)	Communication port to head unit	O	5.0V
47	—	VDD	+5V	—	5.0V
48	—	AVdd	+5V	—	5.0V
49	—	Vref+	(Connecting Ground)	—	0V
50	—	P87(AD7)	(Connecting Ground)	—	0V
51	—	P86(AD6)	(Connecting Ground)	—	0V
52	—	P85(AD5)	(Connecting Ground)	—	0V
53	—	P84(AD4)	(Connecting Ground)	—	0V
54	A/D	P83(AD3)	Used for normal input port	I	5.0V
55	—	P82(AD2)	(Connecting ground)	—	0V

Pin No.	Signal Name	Port	Description	I/O	Vol. (V)
56	PS5	P81(AD1)	Center Detect sensor	I	5.0V
57	SW7	P80(AD0)	Chuck open/close SW H : open	I	5.0V
58	—	Vref-	(Connecting Ground)	—	0V
59	—	AVss	(Connecting Ground)	—	0V
60	—	VSS	(Connecting Ground)	—	0V
61	VDET	P37(SD7)	Vibration Detection	I	0V
62	/RFDET	P36(SD6)	RF Detecting Signal	I	0V
63	EJECT	P35(SD5)	L : EJECT SW ON	I	0V
64	—	P34(SD4)	(Connecting Ground)	I	0V
65	/FLOCK	P33(SD3)	Focus Servo Lock Detection H : Servo NG L : OK	I	0V
66	/TLOCK	P32(SD2)	Tracking Servo Lock Detection H:Servo NG L : OK	I	0V
67	STAT	P31((SD1)	Signal Process LSI Status	I	4.5V
68	SENSE	P30(SD0)	Servo LSI Status (OFT,FESL,NACEND,NAJEND,POSAD,SFG)	I	0V
69	SW9	P67	Inner Switch L : Inner	I	5.0V
70	MDATA	P93(KEY3)	Data for servo LSI	O	0.5V
71	/RST	P92(KEY2)	Servo Block Reset	O	5.0V
72	PS3	P66	DISK (catch failed sensor L:catching failed	I	5.0V
73	PS2	P65	Disc Detection Switch	I	3.4V
74	SW6	P64	Mode Change Switch	I	0V
75	SW4	P63	Tray Save Completion	I	5.0V
76	SW3	P62	ORIGIN SW L: ORIGIN	I	5.0V
77	SW2	P61	EJECT completion SW L : Completed	I	5.0V
78	SW1	P60	Magazine IN Switch	I	0V
79	PS1	P57	Elevator hight sensor (photo sensor pulse)	I	0.2V
80	TESTLED	P56	—	—	—

Abnormale Betriebsbedingungen!!

Falls ein ungewöhnliches Geräusch zu hören ist oder die CD-Bedienungstasten nicht normal funktionieren, den Rückstellschalter mit einem spitzen Gegenstand, wie z.B. einer Büroklammer, vorsichtig drücken.



Rückstellschalter

Sicherung

Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3.15 A) verwenden. Durch den Gebrauch von Sicherungen mit höheren Nennwerten, von Sicherungsersatzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Gerätefschaden verursacht werden.

Zubehör

- 1-CD-Magazin CA-MP600D
- Betriebs- und Einbauanleitungen
- Verdrahtungszubehör (1 Satz)
- Einbauteile (1 Satz)
- Zusätzliche Magazine sind bei Ihrem lokalen Fachhändler erhältlich.

TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN662741RH

Pin No.	Port	Description	I/O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX (NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKCK(NC)	—	—	—
14	SCCK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-card	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SWCK(NC)	—	—	—
20	PWCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V

Pin No.	Port	Description	I/O	Vol. (V)
41	TES(NC)	—	—	—
42	PLAY (NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC (NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG (NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	/TES*	Test Pin	I	5.0V

Port	Description	I / O	Vol. (V)
PWM2+)P44	Enforced traverse contorl H : inner radius motion L: outer radius motion Normal:high impedance (IN MODE)	I/O	2.6V
(KEY5)P95	Clock for servo LSI	O	5.0V
(KEY4)P94	Data latch for servo LSI	O	0V
P43	—	—	—
PWM1-)P42	OFF Track Signal	I	0V
PWM1+)P41	Drop-out Signal	I	0V
PWM0-)P40	—	—	—
PWM0+)P22	Serial data communication input signal every 5ms 8 bit negative logic	I	5.0V
(SCI02)P21	Jig mode if GND&RESET (for job process)	I	5.0V
(TCI01)P20	(Connecting Ground)	I	0V
(SBT2)P17	EX-clock for Subcord Q	O	5.0V
SBD2 P16	Subcord Q-cord	I	2.8V
P15(TRXC)	—	—	—
P14(RXD)	Communication format to head unit (input port)	I	0V
P13(TXD)	Communication port to head unit (input)	I	5.0V
P12(SB1)	Communication port to head unit	O	5.0V
P11(SB1)	—	—	—
P10(SB01)	Communication port to head unit	O	5.0V
VDD	+5V	—	5.0V
AVdd	+5V	—	5.0V
Vref+	(Connecting Ground)	—	0V
P87(AD7)	(Connecting Ground)	—	0V
P86(AD6)	(Connecting Ground)	—	0V
P85(AD5)	(Connecting Ground)	—	0V
P84(AD4)	(Connecting Ground)	—	0V
P83(AD3)	Used for normal input port	I	5.0V
P82(AD2)	(Connecting ground)	—	0V

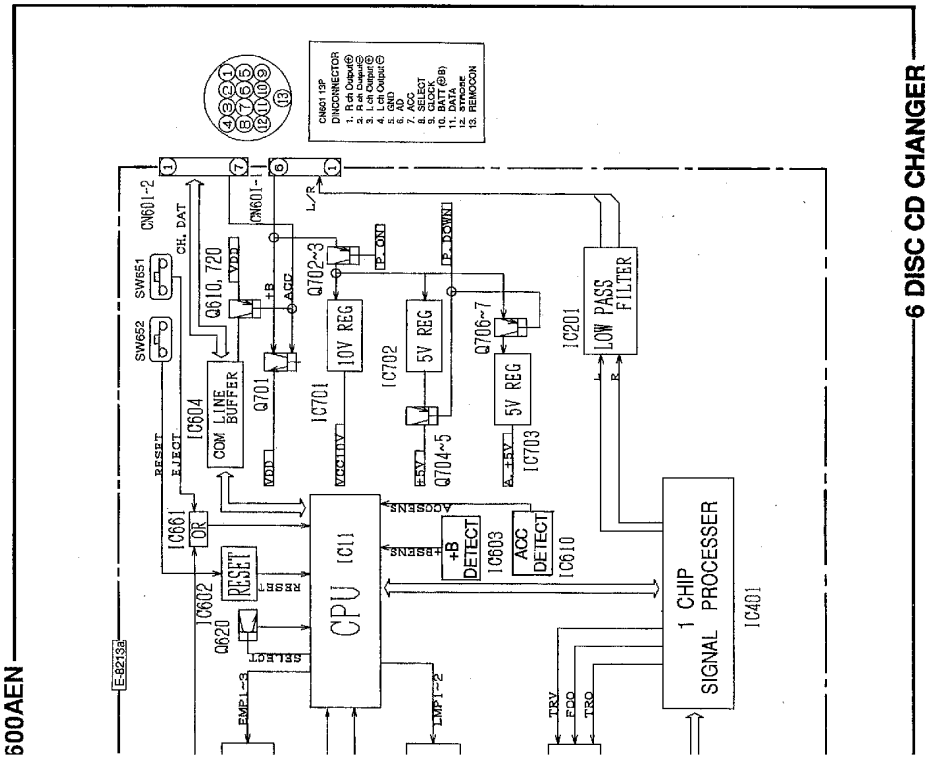
Pin No.	Signal Name	Port	Description	I/O	Vol. (V)
55	PS5	P81(AD1)	Center Detect sensor	I	5.0V
57	SW7	P80(AD0)	Chuck open/close SW H : open	I	5.0V
58	—	Vref-	(Connecting Ground)	—	0V
59	—	AVss	(Connecting Ground)	—	0V
60	—	VSS	(Connecting Ground)	—	0V
61	VDET	P37(SD7)	Vibration Detection	I	0V
62	/RFDET	P36(SD6)	RF Detecting Signal	I	0V
63	EJECT	P35(SD5)	L : EJECT SW ON	I	0V
64	—	P34(SD4)	(Connecting Ground)	I	0V
65	/FLOCK	P33(SD3)	Focus Servo Lock Detection H : Servo NG L : OK	I	0V
66	/TLOCK	P32(SD2)	Tracking Servo Lock Detection H:Servo NG L : OK	I	0V
67	STAT	P31(SD1)	Signal Process LSI Status	I	4.5V
68	SENSE	P30(SD0)	Servo LSI Status (OFT,FESL,NACEND,NAJEND,POSAD,SFG)	I	0V
69	SW9	P67	Inner Switch L : Inner	I	5.0V
70	MDATA	P93(KEY3)	Data for servo LSI	O	0.5V
71	/RST	P92(KEY2)	Servo Block Reset	O	5.0V
72	PS3	P66	DISK (catch failed sensor L:catching failed	I	5.0V
73	PS2	P65	Disc Detection Switch	I	3.4V
74	SW6	P64	Mode Change Switch	I	0V
75	SW4	P63	Tray Save Complection	I	5.0V
76	SW3	P62	ORIGIN SW L: ORIGIN	I	5.0V
77	SW2	P61	EJECT complesion SW L : Completed	I	5.0V
78	SW1	P60	Magazine IN Switch	I	0V
79	PS1	P57	Elevator hight sensor (photo sensor pulse)	I	0.2V
80	TESTLED	P56	—	—	—

TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN662741RH

Pin No.	Port	Description	I / O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX (NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKCK(NC)	—	—	—
14	SQCK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-cord	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	PMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V

Pin No.	Port	Description	I / O	Vol. (V)
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC (NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	TEST	Test Pin	I	5.0V



TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN6627417RH

Pin No.	Port	Description	I/O	Vol.(V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX (NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKCK(NC)	—	—	—
14	SCOK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-cord	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	PMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	KickPulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V
32	FE	Focus Error	I	2.5V
33	TE	Tracking Error	I	2.5V
34	RFENV	RF	I	2.5V
35	VDET	Detecting Signal	I	0V
36	OFT	OFF Track Signal	I	0V
37	TRCRS	Track Close	I	2.1V
38	/RFDET	RF Detecting Signal	I	0V
39	BDO	Drop-Out Signal	I	0V
40	LDON	Laser ON Signal	O	5.0V
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	—	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	/TEST	Test Pin	I	5.0V
72	AVDD1	+5V Power Supply for Analog	I	5.0V
73	OUTL	L-Channel Output	O	2.5V
74	AVSS1	Ground for Analog	I	0V
75	OUTR	R-channel Output	O	2.6V
76	RSEL	RF Polarity	I	5.0V
77	CSEL	Connecting Ground	—	0V
78	PSEL	Connecting Ground	—	0V
79	MSEL	Connecting Ground	—	0V
80	SSEL	Mode select for output	I	5.0V

Besondere Hinweise

□ Hinweise über Compact-Discs

VERWENDEN SIE NUR SOLCHE COMPACT-DISCS, DIE DAS RECHTS DARGESTELLTE ETIKETT AUFWEISEN

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- Zerkratzen Sie Compact-Discs nicht, und kleben Sie keine Etiketten darauf.
- Biegen Sie Compact-Discs nicht.
- Compact-Discs sollten zum Schutz gegen Be-schädigung immer in ihrer Plastikhülle aufbewahrt werden, sowenig sie nicht benutzt werden.
- An den folgenden Orten sollten Compact-Discs nicht herumliegen:
  1. Unter direkter Sonneneinstrahlung
  2. Schmutzige, staubbelebte und feuchte Orte
  3. In der Nähe einer Fahrzeugheizung
  4. Auf den Sitzen und dem Armaturenbrett

Reinigen von Compact-Discs

Wischen Sie die Oberfläche mit einem trockenen, weichen Tuch ab. Falls die CD stark verschmutzt ist, sollten Sie ein leicht mit Isopropylalkohol be-feuchtetes, weiches Tuch verwenden. Benutzen Sie niemals solche Flüssigkeiten wie Benzin, Farbver-dünner oder Schallplattenreiniger, da die CD-Ober-fläche sonst leicht beschädigt werden könnte.

□ Vorsichtsmaßnahmen bei neuen Compact-Discs

Eine neue Compact-Disc hat an der inneren und der äußeren Kreiskante manchmal rauhe Stellen. Wenn solch eine CD mit rauher Kante verwendet wird, ist keine präzise Positionierung möglich, und der CD-Spieler kann die Compact-Disc nicht abspielen. Entfer-nen Sie solche unregelmäßigen Stellen mit einem Kugelschreiber oder Bleistift, wie rechts dargestellt. Pressen Sie einfach die Seite des Schreibstifts gegen die äußere und innere Kante der Compact-Disc.

Reinigung des Gerätes

Zur Reinigung das Gerätes mit einem weichen Tuch abwischen. Auf keinen Fall Benzin, Verdünner oder irgendein anderes Lösungsmittel verwenden.

Abnormale Betriebsbedingungen!!

Fehlerhafter Betrieb
Fehlerhafter Betrieb
Fehlerhafter Betrieb

P84(AD4)	(Connecting Ground)	—	0V
P83(AD3)	Used for normal input port	I	5.0V
P82(AD2)	(Connecting ground)	—	0V

80	TESTLED	P56	—	—	—

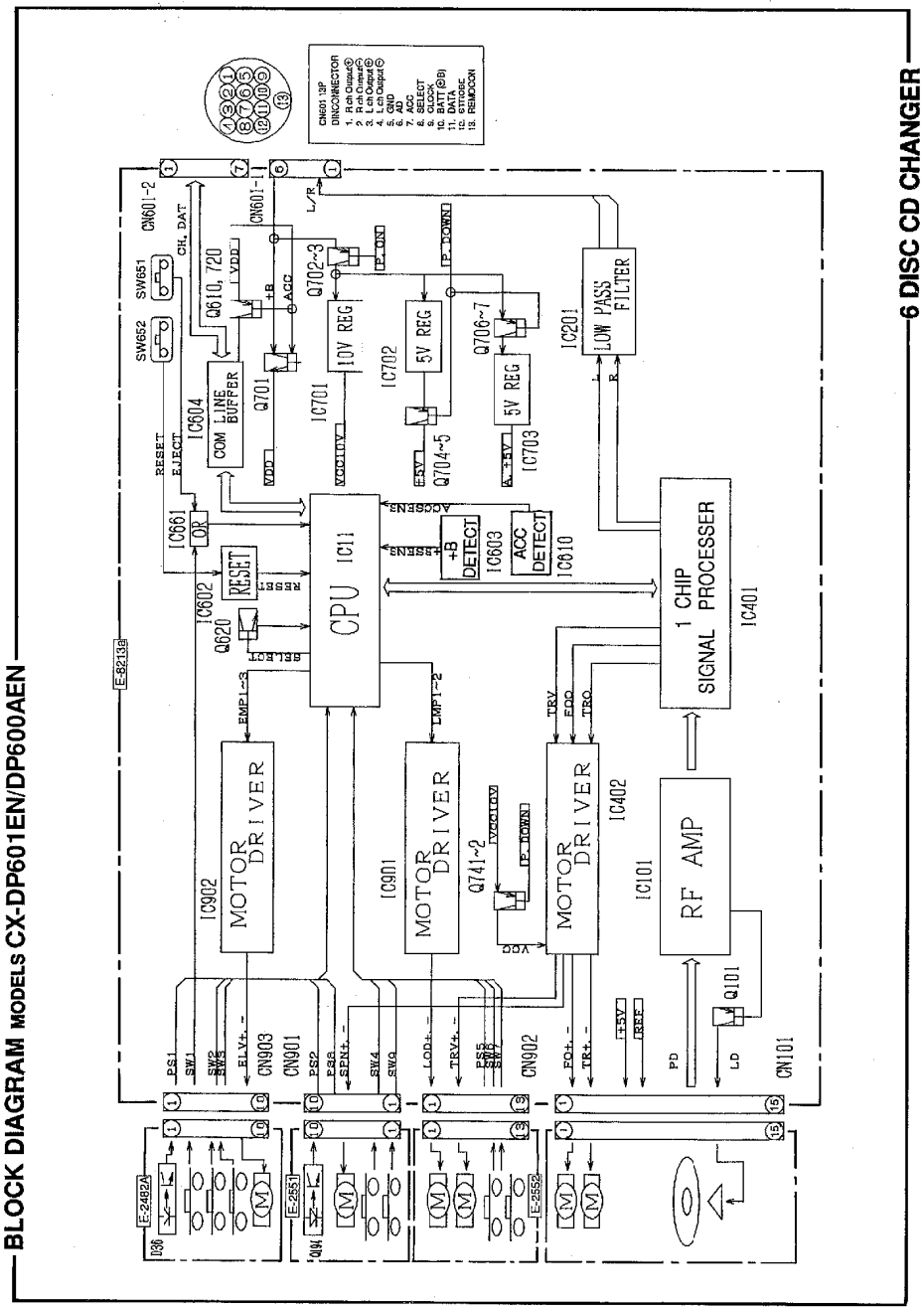
TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN662741RH

Pin No.	Port	Description	I/O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX(NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKCK(NC)	—	—	—
14	SCOK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-core	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	PMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V
32	FE	Focus Error	I	2.5V
33	TE	Tracking Error	I	2.5V
34	RFENV	RF	I	2.5V
35	VDET	Detecting Signal	I	0V
36	CFT	CFF Track Signal	I	0V
37	TRCRS	Track Close	I	2.1V
38	/RFDET	RF Detecting Signal	I	0V
39	BDO	Drop-Out Signal	I	0V
40	LDON	Laser ON Signal	O	5.0V

Pin No.	Port	Description	I/O	Vo. (V)
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	/TEST	Test Pin	I	5.0V
72	AVDD1	+5V Power Supply for Analog	I	5.0V
73	OUTL	L-Channel Output	O	2.5V
74	AVSS1	Ground for Analog	I	0V
75	OUTR	R-channel Output	O	2.5V
76	RSEL	RF Polarity	I	5.0V
77	CSEL	Connecting Ground	—	0V
78	PSEL	Connecting Ground	—	0V
79	MSEL	Connecting Ground	—	0V
80	SSEL	Mode select for output	I	5.0V

BLOCK DIAGRAM MODELS CX-DP601EN/DP600AEN



6 DISC CD CHANGER

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Irgendein anderes Lösungsmittel verwenden.

TERMINALS DESCRIPTION (1) / KLEMMENBESCHREIBUNG (1)

■IC11 MN1882417BEB

Pin No.	Signal Name	Port	Description	I / O	Vol. (V)
1	NC	P55	—	—	—
2	LMP2	P54	Loading Motor Control	O	0V
3	LMP1	P53	Loading Motor Control	O	0V
4	EMP3	P52	Elevator Motor Control	O	0V
5	EMP2	P51	Elevator Motor Control	O	0V
6	EMP1	P50	Elevator Motor Control	O	0V
7	—	VDD	+5V	I	5.0V
8	—	CSC1	8.38MHz Cyatal Oscillator	I	2.5V
9	—	CSC2	8.38MHz Cyatal Oscillator	I	2.6V
10	—	VSS	Connecting Ground	—	0V
11	—	XI	Connecting Ground	—	0V
12	NC	XO	—	—	—
13	—	EXI	Connecting Ground	—	0V
14	—	RST	CPU reset _ : Reset	I	5.0V
15	EJECT/M-IN	IRQ2 P26	L: EJECT SW or Magazine IN detection	I	0V
16	ACC.SENS	IRC1 P25	ACC Detection L : ACC ON	I	5.0V
17	BATTSENS	IRC0 P24	Battery Detection Input	I	5.0V
18	NC	P77	—	—	—
19	NC	P76	—	—	—
20	D.MUTE	P75	Muting	O	0V
21	P.DOWN	P74	Retrieved clock pulse generation Power supply control H:ON	O	5.0V
22	P.ON	P73	Other power supply controls	O	5.0V
23	TSO (NC)	P72	—	—	—
24	CH.STB	P71	Communication port to head unit	O	0V
25	NC	P70	—	—	—
26	NC	P47	—	—	—
27	NC	(SIFIN)P46	—	—	—
28	—	(PWM2-)P45	—	O	2.5V
29	TRV	(PWM2+)P44	Enforced traverse control H : inner radius motion L: outer radius motion Normal: high impedance (IN MODE)	I/O	2.6V
30	MCLK	(KEY5)P95	Clock for servo LSI	O	5.0V
31	MLD	(KEY4)P94	Data latch for servo LSI	O	0V
32	NC	P43	—	—	—
33	OFTR	(PWN1-)P42	OFF Track Signal	I	0V
34	BDO	(PWM1+)P41	Drop-out Signal	I	0V
35	NC	(PWM0-)P40	—	—	—
36	TSI	(PWM0+)P22	Serial data communication input signal every 5ms 8 bit negative logic	I	5.0V
37	TEST	(PCI02)P21	Jig mode if GND&RESET (for job process)	I	5.0V
38	—	(TCI01)P20	(Connecting Ground)	I	0V
39	SQCK	(SBT2)P17	EX-clock for Subcord Q	O	5.0V
40	SUBQ	SED2 P16	Subcord Q-cord	I	2.8V
41	NC	P15(TRXO)	—	—	—
42	J0	P14(RXD)	Communication format to head unit (input port)	I	0V
43	REMO	P13(TXD)	Communication port to head unit (input)	I	5.0V
44	CHCLK	P12(SBT1)	Communication port to head unit	O	5.0V
45	NC	P11(SBI1)	—	—	—
46	CH.DATA	P13(SBO1)	Communication port to head unit	O	5.0V
47	—	VDD	+5V	—	5.0V
48	—	AVdd	+5V	—	5.0V
49	—	Vref+	(Connecting Ground)	—	0V
50	—	P87(AD7)	(Connecting Ground)	—	0V
51	—	P86(AD6)	(Connecting Ground)	—	0V
52	—	P85(AD5)	(Connecting Ground)	—	0V
53	—	P84(AD4)	(Connecting Ground)	—	0V
54	A/D	P83(AD3)	Used for normal input port	I	5.0V
55	—	P82(AD2)	(Conneting ground)	—	0V
56	PS5	P81(AD1)	Center Detect sensor	I	5.0V
57	SW7	P80(AD0)	Chuck open/close SW H : open	I	5.0V
58	—	Vref-	(Connecting Ground)	—	0V
59	—	AVss	(Connecting Ground)	—	0V
60	—	VSS	(Connecting Ground)	—	0V
61	VDET	P97(SD7)	Vibration Detection	I	0V
62	/RFDET	P96(SD6)	RF Detecting Signal	I	0V
63	EJECT	P95(SD5)	L: EJECT SW ON	I	0V
64	—	P94(SD4)	(Connecting Ground)	I	0V
65	/FLOCK	P93(SD3)	Focus Servo Lock Detection H : Servo NG L : OK	I	0V
66	/TLOCK	P92(SD2)	Tracking Servo Lock Detection H:Servo NG L : OK	I	0V
67	STAT	P91(SD1)	Signal Process LSI Status	I	4.5V
68	SENSE	P90(SD0)	Servo LS Status (OFT,FESL,NAGEND,NAJEND,POSAD,SFG)	I	0V
69	SW9	P67	Inner Switch L : Inner	I	5.0V
70	MDATA	P93(KEY3)	Data for servo LSI	O	0.5V
71	/RST	P92(KEY2)	Servo Block Reset	O	5.0V
72	PS3	P66	DSK (catch failed sensor Lcatching failed	I	5.0V
73	PS2	P65	Disc Detection Switch	I	5.0V
74	SW6	P64	Mode Change Switch	I	0V
75	SW4	P63	Tray Save Completion	I	5.0V
76	SW3	P62	ORIGIN SW L: ORIGIN	I	5.0V
77	SW2	P61	EJECT completion SW L : Completed	I	5.0V
78	SW1	P60	Magazine IN Switch	I	0V
79	PS1	P57	Eevator light sensor (photo sensor pulse)	I	0.2V
80	TESTLED	P56	—	—	—

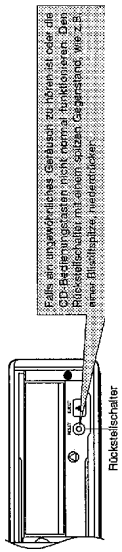
TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN662741RH

Pin No.	Port	Description	I / O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX (NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	C	0V
11	/FLOCK	Focus Servo	C	0V
12	/TLOCK	Tracking Servo	C	0V
13	BLKCK(NC)	—	—	—
14	SQCK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-cord	C	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	C	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	PMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor Ctl	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.8V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	XCLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	P FLAG(NC)	—	—	—
65	FLAG (NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	/TEST	Test Pin	I	5.0V

Abnormale Betriebsbedingungen!!

Falls ein ungeeignetes Gebrauch zu hören ist oder die CD-Bedienungstasten nicht normal funktionieren. Den Netzanschluß mit einem spitzen Gegenstand, wie z.B. einer Büroklammer, herausziehen.



Rückstellschalter

Sicherung

Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3.15 A) verwenden. Durch den Gebrauch von Sicherungen mit höheren Nennwerten, von Sicherungsersatzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Geräteschaden verursacht werden.

Zubehör

- 1-CD-Magazin C4-MP6NON
- Betriebs- und Einbauanleitungen
- Verdrahtungszubehör (1 Satz)
- Einbauteile (1 Satz)
- Zusätzliche Magazine sind bei Ihrem lokalen Fachhändler erhältlich.

Port	Description	I / O	Vol. (V)
PWM2+)P44	Enforced traverse contorl H : inner radius motion L: outer radius motion Normal: high impedance (IN MODE)	I/O	2.6V
(KEY5)P95	Clock for servo LSI	O	5.0V
(KEY4)P94	Data latch for servo LSI	O	0V
P43	—	—	—
(PWN1-)P42	OFF Track Signal	I	0V
PWM1+)P41	Drop-out Signal	I	0V
(PWM0-)P40	—	—	—
PWM0+)P22	Serial data communication input signal every 5ms 8 bit negative logic	I	5.0V
(SCI02)P21	Jig mode if GND&RESET (for job process)	I	5.0V
(TCI01)P20	(Connecting Ground)	I	0V
(SBT2)P17	EX-clock for Subcord Q	O	5.0V
SBD2 P16	Subcord Q-cord	I	2.8V
P15(TRXC)	—	—	—
P14(RXD)	Communication format to head unit (input port)	I	0V
P13(TXD)	Communication port to head unit (input)	I	5.0V
P12(SB~1)	Communication port to head unit	O	5.0V
P11(SB1)	—	—	—
P10(SB01)	Communication port to head unit	O	5.0V
VDD	+5V	—	5.0V
AVdd	+5V	—	5.0V
Vref+	(Connecting Ground)	—	0V
P87(AD7)	(Connecting Ground)	—	0V
P86(AD6)	(Connecting Ground)	—	0V
P85(AD5)	(Connecting Ground)	—	0V
P84(AD4)	(Connecting Ground)	—	0V
P83(AD3)	Used for normal input port	I	5.0V
P82(AD2)	(Connecting ground)	—	0V

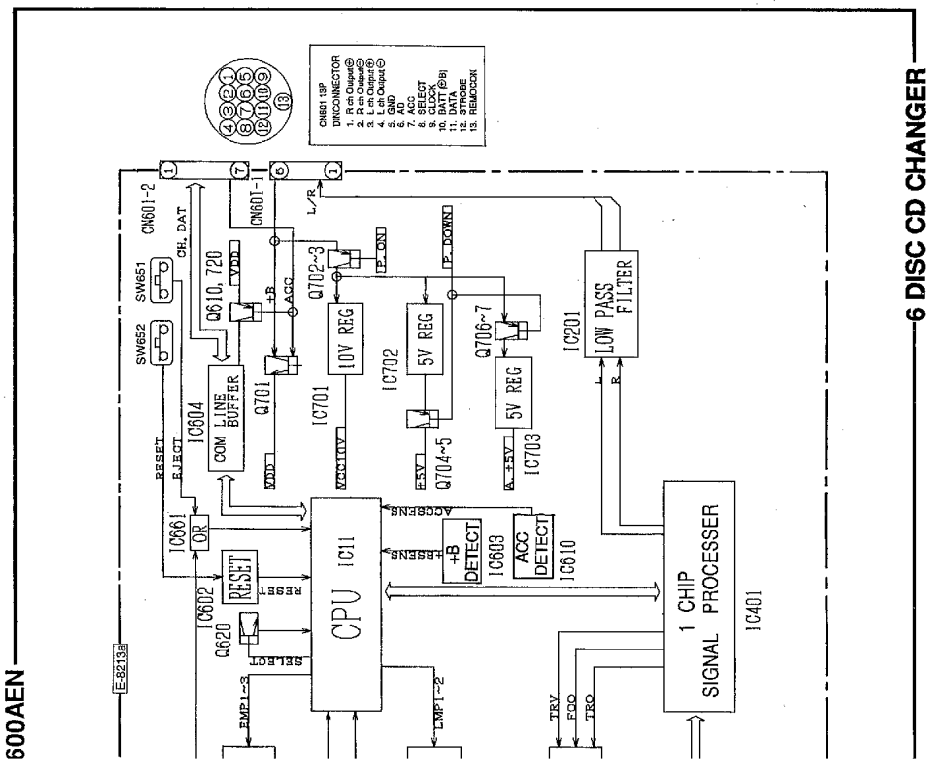
Pin No.	Signal Name	Port	Description	I/O	Vol. (V)
55	PS5	P81(AD1)	Center Detect sensor	I	5.0V
57	SW7	P80(AD0)	Chuck open/close SW H : open	I	5.0V
58	—	Vref-	(Connecting Ground)	—	0V
59	—	AVss	(Connecting Ground)	—	0V
60	—	VSS	(Connecting Ground)	—	0V
61	VDET	P37(SD7)	Vibration Detection	I	0V
62	/RFDET	P36(SD6)	RF Detecting Signal	I	0V
63	EJECT	P35(SD5)	L : EJECT SW ON	I	0V
64	—	P34(SD4)	(Connecting Ground)	I	0V
65	/FLOCK	P33(SD3)	Focus Servo Lock Detection H : Servo NG L : OK	I	0V
66	/TLOCK	P32(SD2)	Tracking Servo Lock Detection H:Servo NG L : OK	I	0V
67	STAT	P31((SD1)	Signal Process LSI Status	I	4.5V
68	SENSE	P30(SD0)	Servo LSI Status (OFT,FESL,NACEND,NAJEND,POSAD,SFG)	I	0V
69	SW9	P97	Inner Switch L : Inner	I	5.0V
70	MDATA	P93(KEY3)	Data for servo LSI	O	0.5V
71	/RST	P92(KEY2)	Servo Block Reset	O	5.0V
72	PS3	P96	DISK (catch failed sensor L:catching failed	I	5.0V
73	PS2	P95	Disc Detection Switch	I	3.4V
74	SW6	P94	Mode Change Switch	I	0V
75	SW4	P93	Tray Save Completion	I	5.0V
76	SW3	P92	ORIGIN SW L: ORIGIN	I	5.0V
77	SW2	P91	EJECT completion SW L : Completed	I	5.0V
78	SW1	P90	Magazine IN Switch	I	0V
79	PS1	P57	Elevator hight sensor (photo sensor pulse)	I	0.2V
80	TESTLED	P56	—	—	—

TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN662741RH

Pin No.	Port	Description	I / O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX (NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKCK(NC)	—	—	—
14	SQCK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-cord	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	PMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V

Pin No.	Port	Description	I / O	Vol. (V)
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.6V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V



TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

■IC401 MN6627411RH

Pin No.	Port	Description	I / O	Vol. (V)
1	BCLK(NC)	—	I	—
2	LRCK(NC)	—	I	—
3	SRDATA(NC)	—	I	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	I	0V
6	TX (NC)	—	I	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	BLKOCK(NC)	—	I	—
14	SQCK	EX-clock for Subcord Q	I	5.0V
15	SUBQ	Subcord Q-pard	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	I	—
20	PMCK(NC)	—	I	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V
32	FE	Focus Error	I	2.5V
33	TE	Tracking Error	I	2.5V
34	RFENV	RF	I	2.5V
35	VDET	Detecting Signal	I	0V
36	OFT	OFFT Track Signal	I	0V
37	TRCRS	Track Close	I	2.1V
38	/RFDET	RF Detecting Signal	I	0V
39	BDO	Drop-Out Signal	I	0V
40	LDON	Laser ON Signal	O	5.0V
41	TES(NC)	—	I	—
42	PLAY(NC)	—	I	—
43	WVEL(NC)	—	I	—
44	ARF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DRF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PL.	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	I	—
53	PCK(NC)	—	I	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	I	—
56	SBCK(NC)	—	I	—
57	VSS	Connect to Ground	—	0V
58	X1	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	I	—
62	/CLOCK(NC)	—	I	—
63	FCLK(NC)	—	I	—
64	IP FLAG(NC)	—	I	—
65	FLAG(NC)	—	I	—
66	CLVS(NC)	—	I	—
67	CRC(NC)	—	I	—
68	DEMPH(NC)	—	I	—
69	RESY(NC)	—	I	—
70	/RST2	Reset for MASH	I	5.0V
71	/TEST	Test Pin	I	5.0V
72	AVDD1	+5V Power Supply for Analog	I	5.0V
73	OUTL	L-Channel Output	O	2.5V
74	AVSS	Ground for Analog	I	0V
75	OUTR	R-channel Output	O	2.5V
76	RSEL	RF Polarity	I	5.0V
77	CSEL	Connecting Ground	I	0V
78	PSEL	Connecting Ground	I	0V
79	MSEL	Connecting Ground	I	0V
80	SSEL	Mode select for output	I	5.0V

Besondere Hinweise

□ Hinweise über Compact-Discs

VERWENDEN SIE NUR SOLCHE COMPACT-DISCS, DIE DAS RECHTS DARGESTELLTE ETIKETT AUFWEISEN

- Staub, Schmutz, Kratzer und CD-Verformung wer-den Betriebsstörungen verursachen. Bitte hand-haben Sie Compact-Discs sorgfältig.
- Zerkratzen Sie Compact-Discs nicht, und kleben Sie keine Etiketten darauf.
- Legen Sie Compact-Discs nicht, schädigung immer in ihrer Plastikhülle aufbewahrt wird, solange sie nicht benutzt werden.
- An den folgenden Orten sollten Compact-Discs nicht hergestellt werden:
  1. Unter direkter Sonneneinstrahlung
  2. Schmutzige, staubreiche und feuchte Orte
  3. In der Nähe einer Fernzeugheizung
  4. Auf den Sitzen und dem Armaturenbrett

Reinigen von Compact-Discs

Wischen Sie die Oberfläche mit einem trockenen, weichen Tuch ab. Falls die CD stark verschmutzt ist, sollten Sie ein leicht mit Isopropylalkohol be-feuchtetes, weiches Tuch verwenden. Benutzen Sie niemals solche Flüssigkeiten wie Benzin, Farbver-dünner oder Schallplattenreiniger, da die CD-Ober-fläche sonst leicht beschädigt werden könnte.

□ Vorsichtsmaßnahmen bei neuen Compact-Discs

Eine neue Compact-Disc hat an der inneren und der äußeren Kreiskante eventuell rauhe Stellen. Wenn solch eine CD mit rauher Kante verwendet wird, ist keine präzise Positionierung möglich, und der CD-Spieler kann die Compact-Disc nicht abspielen. Entfer-nen Sie solche unregelmäßigen Stellen mit einem Kugelschreiber oder Bleistift, wie rechts dargestellt. Pressen Sie einfach die Seite des Schreibstifts gegen die äußere und innere Kante der Compact-Disc.

Reinigung des Gerätes

Zur Reinigung des Gerätes mit einem weichen Tuch abwischen. Auf keinen Fall Benzin, Verdünner oder ähnlich anderes Lösungsmittel verwenden.

Abnormale Betriebsbedingungen!!

Sicherung

Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3,15 A) verwenden. Durch den Gebrauch von Sicherungen mit höherem Nennwerten, von Sicherungen-satzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Geräteschaden verursacht werden.

Zubehör

- 1-CD-Magazin CA-MP600D
- Batterie- und Einbauanleitungen
- Verdrahtungszubehör (1 Satz)
- Fehlerliste (1 Satz)
- Zusätzliche Magazine sind bei Ihrem lokalen Fachhändler erhältlich.

| | | |

294(AD4)	(Connecting Ground)	—	0V
293(AD3)	Used for normal input port	I	5.0V
292(AD2)	(Connecting ground)	—	0V

80	TESTLED	P56	—	—	—

TERMINALS DESCRIPTION (2)
KLEMMENBESCHREIBUNG (2)

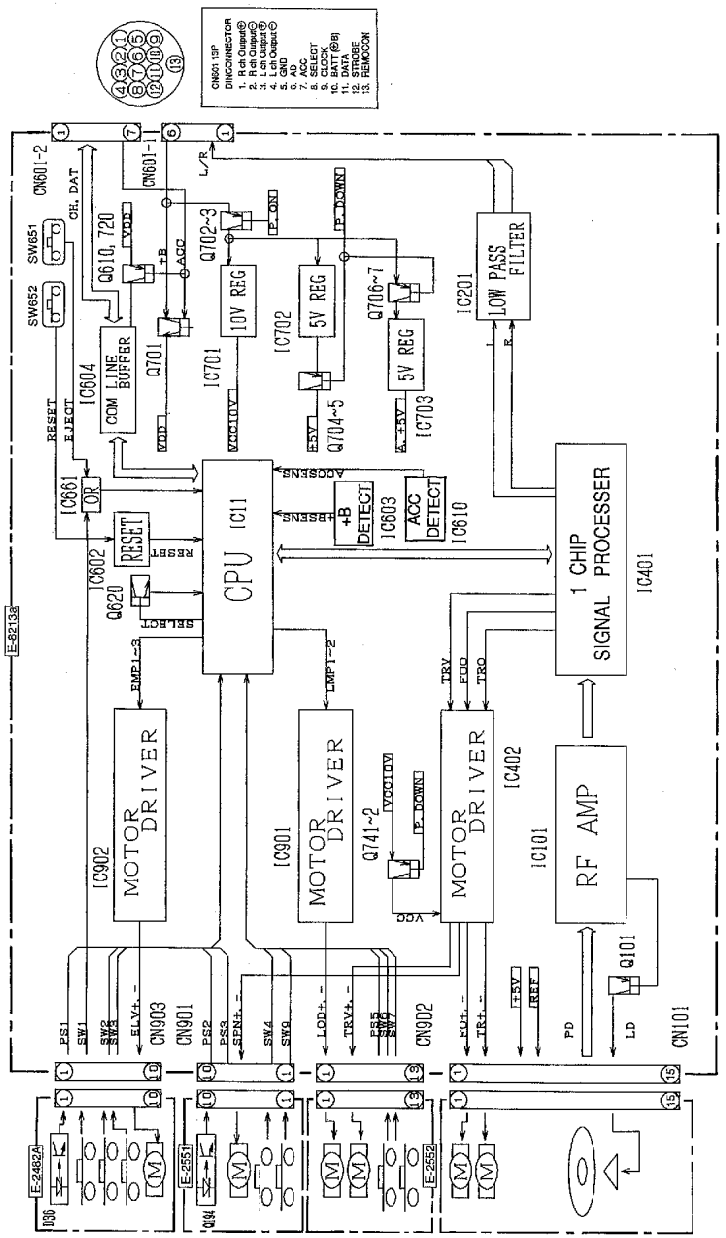
■IC401 MN662741RH

Pin No.	Port	Description	I / O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0V
5	DVSS1	Ground for Digital	—	0V
6	TX(NC)	—	—	—
7	MCLK	Command Clock Signal	I	4.6V
8	MDATA	Command Data	I	0.5V
9	MLD	Command Load	I	5.0V
10	SENSE	Sense Signal	O	0V
11	/FLOCK	Focus Servo	O	0V
12	/TLOCK	Tracking Servo	O	0V
13	B_KCK(NC)	—	—	—
14	SQCK	EX-clock for Subcord C	I	5.0V
15	SUBQ	Subcord Q-cord	O	2.6V
16	DMUTE	Muting	I	0V
17	STAT	Status Signal	O	4.5V
18	/RST	Reset Input	I	5.0V
19	SMCK(NC)	—	—	—
20	FMCK(NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.6
22	TVD	Traverse Motor Control	O	2.6V
23	PC	Spindle Motor On	O	0V
24	ECM	Spindle Motor Drive	O	2.6V
25	ECS	Spindle Motor Drive	O	2.5V
26	KICK	Kick Pulse	O	2.5V
27	TRD	Tracking Drive	O	2.5V
28	FOD	Focus Drive	O	2.6V
29	VREF	Reference Voltage	I	2.6V
30	FBAL	Focus Balance	O	3.0V
31	TBAL	Tracking Balance	O	2.6V
32	FE	Focus Error	I	2.5V
33	TE	Tracking Error	I	2.5V
34	RFENV	RF	I	2.5V
35	VDET	Detecting Signal	I	0V
36	OFT	OFF Track Signal	I	0V
37	TRCRS	Track Close	I	2.1V
38	/RFDET	RF Detecting Signal	I	0V
39	BDO	Drop-Out Signal	I	0V
40	LDON	Laser ON Signal	O	5.0V

Pin No.	Port	Description	I / O	Vol. (V)
41	TES(NC)	—	—	—
42	PLAY(NC)	—	—	—
43	WVEL(NC)	—	—	—
44	AFF	RF Signal	I	2.6V
45	IREF	Standard Current Input	I	1.4V
46	DFF	(Connecting Ground)	—	0V
47	DSLF	Loop Filter for DSL	I/O	2.5V
48	PLLF	Loop filter for PLL	I/O	2.1V
49	VCOF	(Connecting Ground)	—	0V
50	AVDD2	Power Supply for Analog	I	5.0V
51	AVSS2	Ground for Analog	—	0V
52	EFM(NC)	—	—	—
53	PCK(NC)	—	—	—
54	TOFS	Tracking Offset	O	2.6V
55	SUBC(NC)	—	—	—
56	SBCK(NC)	—	—	—
57	VSS	Connect to Ground	—	0V
58	XI	Crystal oscillator	I	2.5V
59	X2	Crystal oscillator	O	2.6V
60	VDD	+5V Power Supply	I	5.0V
61	BYTCK	—	—	—
62	/CLDCK(NC)	—	—	—
63	FCLK(NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	/RST2	Reset for MASH	I	5.0V
71	/TEST	Test Pin	I	5.0V
72	AVDD1	+5V Power Supply for Analog	I	5.0V
73	OUTL	L-Channel Output	O	2.5V
74	AVSS1	Ground for Analog	I	0V
75	OUTR	R-channel Output	O	2.5V
76	RSEL	RF Polarity	I	5.0V
77	CSEL	Connecting Ground	—	0V
78	PSEL	Connecting Ground	—	0V
79	MSEL	Connecting Ground	—	0V
80	SSEL	Mode select for output	I	5.0V

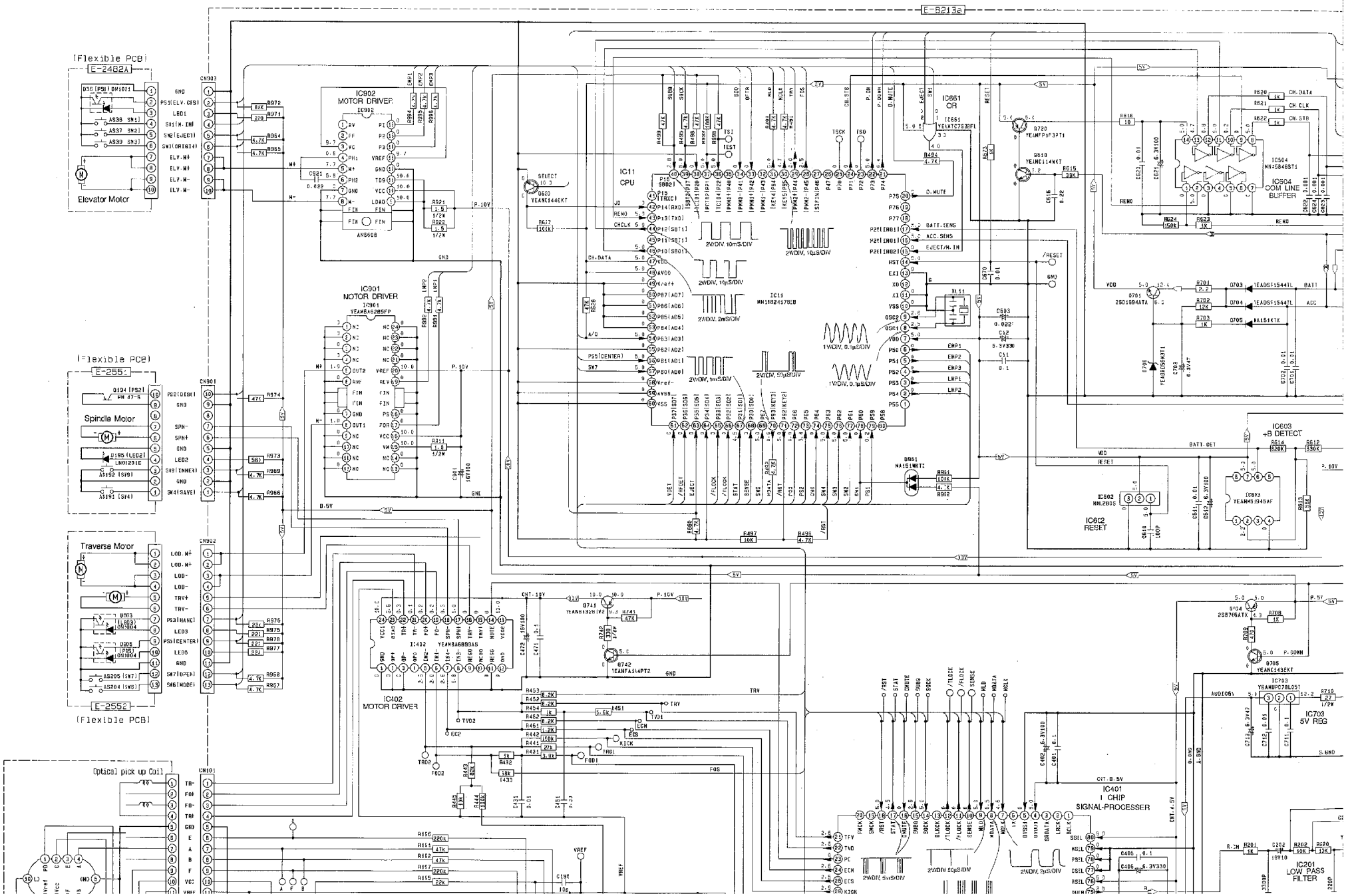
BLOCK DIAGRAM MODELS CX-DP601EN/DP600AEN

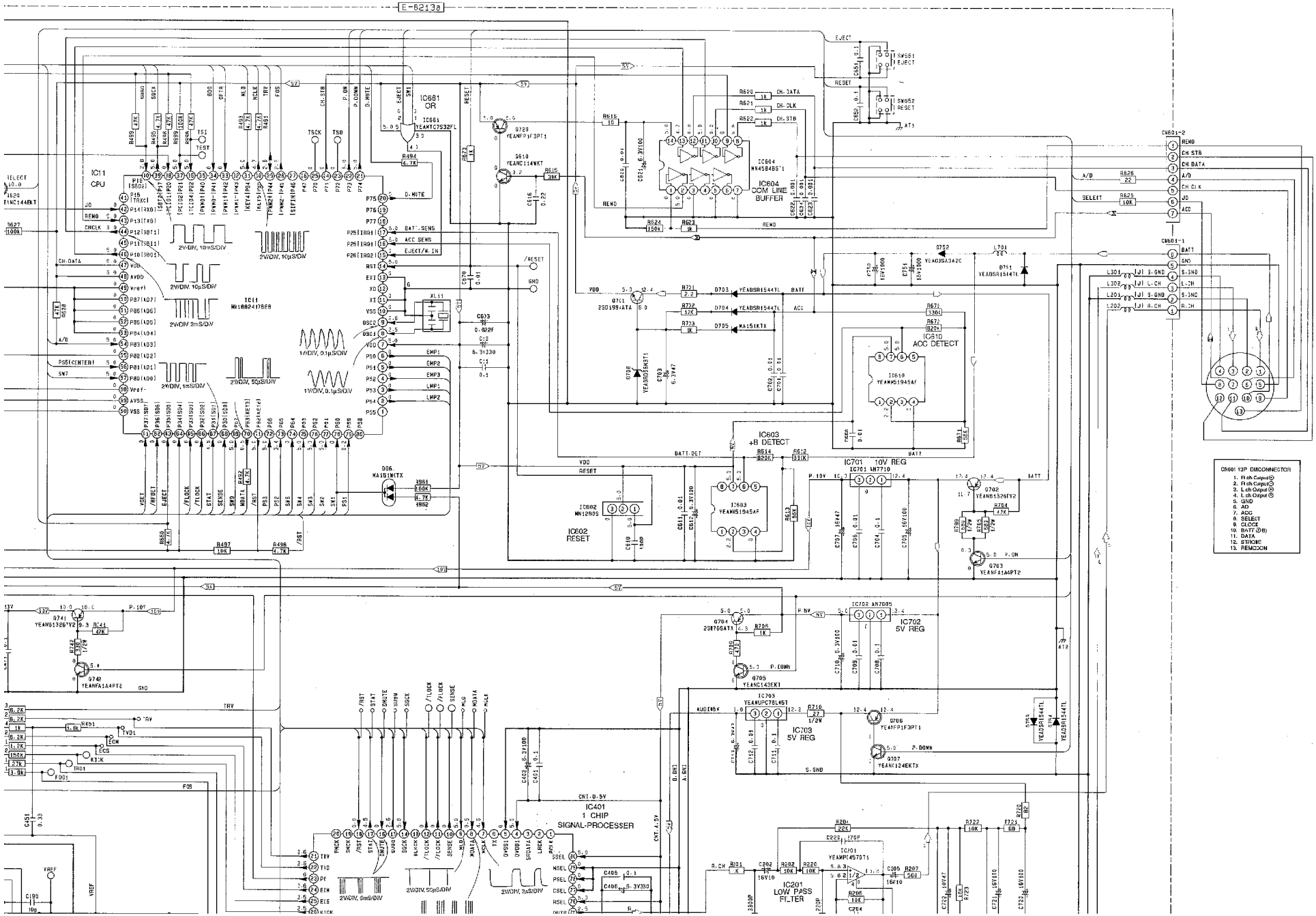
6 DISC CD CHANGER

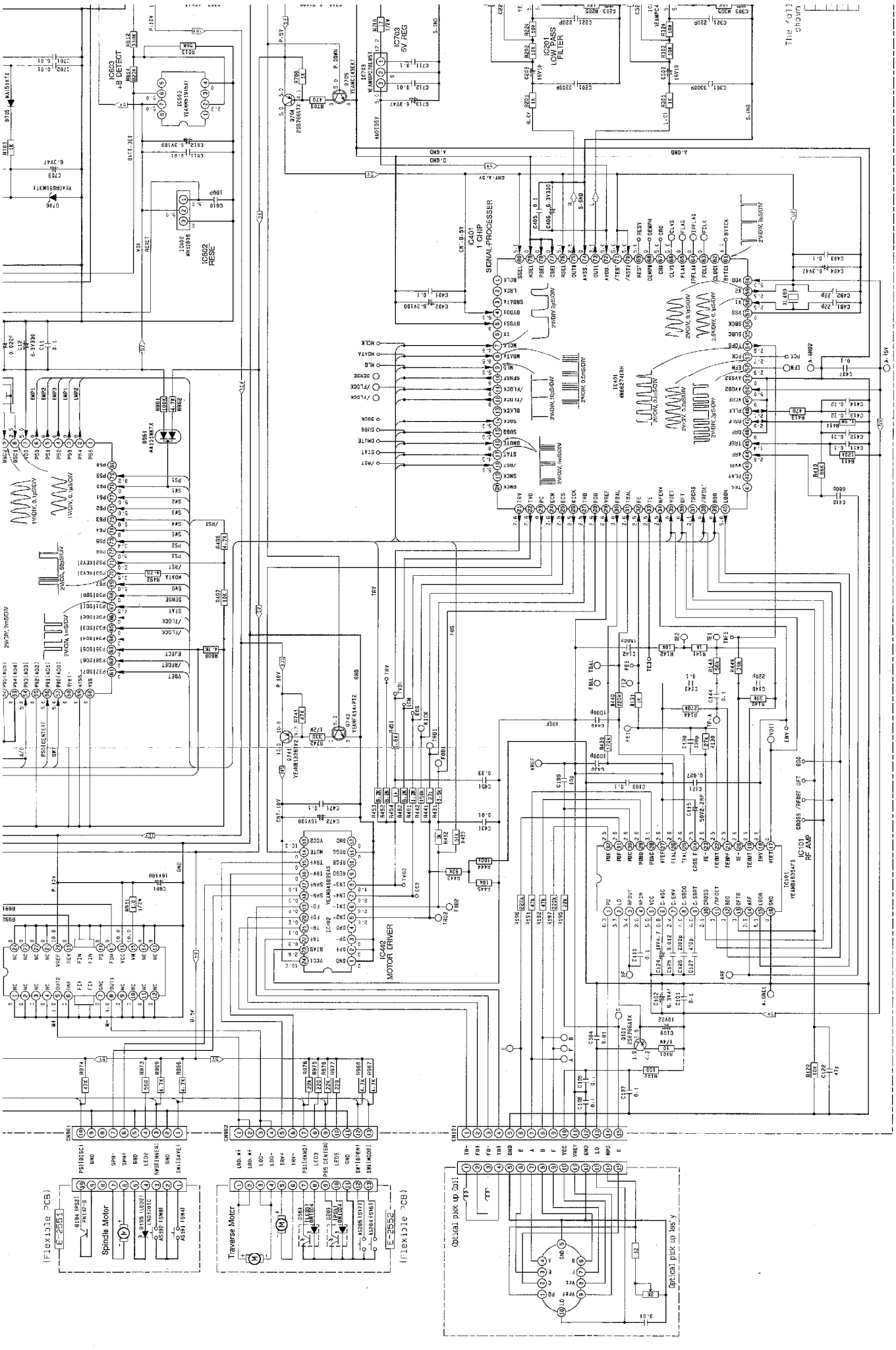


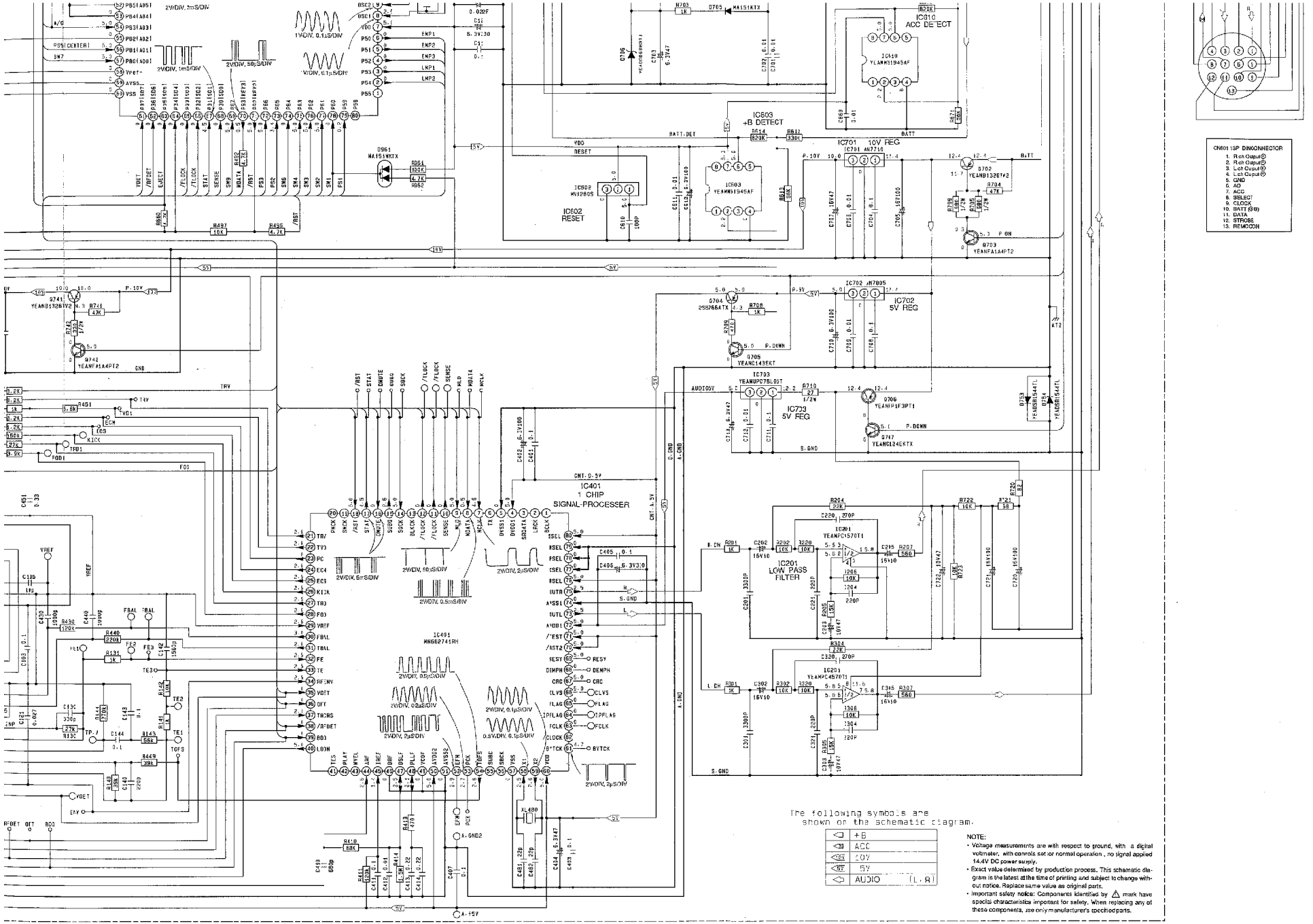
Irgendein anderes Lösungsmittel verwenden.

SCHEMATIC DIAGRAM / SCHALTBILT MODELS CX-DP601EN/DP600AEN




E-62130
IC11
CPU
IC11
MN1882478E8
IC601
OR
IC604
COM LINE
BUFFER
IC610
ACC DETECT
IC603
+B DETECT
IC701 10V REG
IC602
RESET
IC702
5V REG
IC703
5V REG
IC401
1 CHIP
SIGNAL-PROCESSER
IC201
LOW PASS
FILTER
CN601-2
CN601-1
CN601 12P DISCONNECTOR
1. Rch Output
2. Rch Output
3. Lch Output
4. Lch Output
5. GND
6. AD
7. ADG
8. SELECT
9. CLOCK
10. BATT (DB)
11. DATA
12. STROBE
13. REMCON
2V/DIV, 10mS/DIV
2V/DIV, 10µS/DIV
2V/DIV, 2mS/DIV
2V/DIV, 1mS/DIV
2V/DIV, 50µS/DIV
1V/DIV, 0.1µS/DIV
2V/DIV, 5mS/DIV
2V/DIV, 50µS/DIV
2V/DIV, 2µS/DIV


IC401
1 CHIP
SIGNAL-PROCESSER
IC402
MOTOR DRIVER
IC101
RF AMP
IC201
LOW PASS
FILTER
IC703
5V REG
IC603
+B DETECT
IC602
RESE
Spindle Motor
Traverse Motor
Optical pick up Coil
Optical pick up ass'y
(Flexible PCB)
E-2551
E-2552


IC401
1 CHIP
SIGNAL-PROCESSER
IC491
WN662741RH
IC201
LOW PASS
FILTER
IC610
ACC DETECT
IC603
+B DETECT
IC602
RESET
IC701
10V REG
IC702
5V REG
IC703
5V REG
XL480
CN601 13P CONNECTOR
1. Rch Output
2. Rch Output
3. Lch Output
4. Lch Output
5. GND
6. AD
7. ACC
8. SELECT
9. CLOCK
10. BATT (B)
11. DATA
12. STROBE
13. REMOCON
The following symbols are shown on the schematic diagram.
+B
ACC
10V
5V
AUDIO (L, R)
NOTE:
• Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation , no signal applied 14.4V DC power supply.
• Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.
• Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

WIRING DIAGRAM / VERDRAHTUNG MODELS CX-DP601EN/DP600AEN

IC101							
1	0.3V	9	4.0V	17	0V	25	2.6V
2	3.7V	10	2.1V	18	2.5V	26	2.6V
3	3.4V	11	0V	19	2.5V	27	2.6V
4	2.6V	12	0V	20	2.6V	28	3.1V
5	5.0V	13	0V	21	2.5V	29	2.6V
6	0.8V	14	2.6V	22	2.5V	30	2.6V
7	2.4V	15	5.0V	23	5.0V	31	2.6V
8	4.0V	16	0V	24	2.5V	32	2.5V

IC402					
1	0V	9	-	17	1.0V
2	0V	10	-	18	0.3V
3	0V	11	0V	19	0.2V
4	-	12	0V	20	0.2V
5	2.6V	13	10.0V	21	0.1V
6	2.6V	14	0V	22	0.3V
7	2.6V	15	0V	23	2.6V
8	1.8V	16	0V	24	10.0V

IC901					
1	0V	9	0V	17	0
2	0V	10	0V	18	0
3	0V	11	0V	19	0
4	0 V	12	0V	20	10.
5	1.0V	13	0V	21	0
6	0V	14	0V	22	0
7	0V	15	10.0V	23	0
8	1.0V	16	10.0V	24	0

Q101	
B	3.5V
C	1.9V
E	4.2V

Q704	
B	4.3V
C	5.0V
E	5.0V

Q610	
B	0V
C	5.0V
E	5.0V

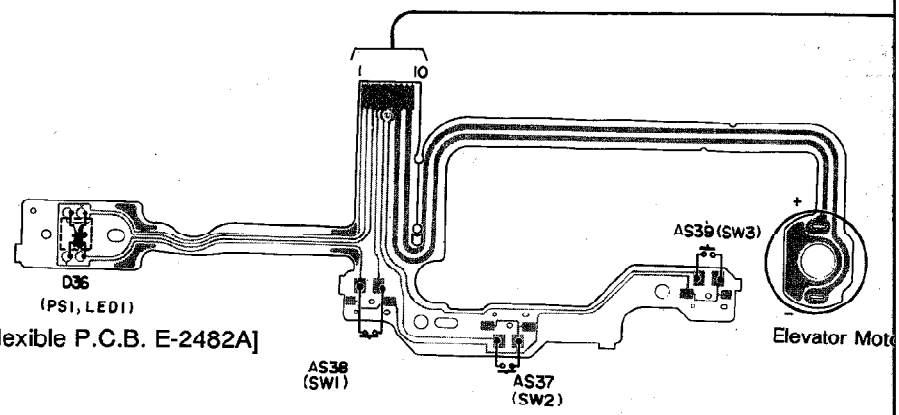
Q705	
B	5.0V
C	0V
E	0V

Q620	
B	10.0V
C	0V
E	0V

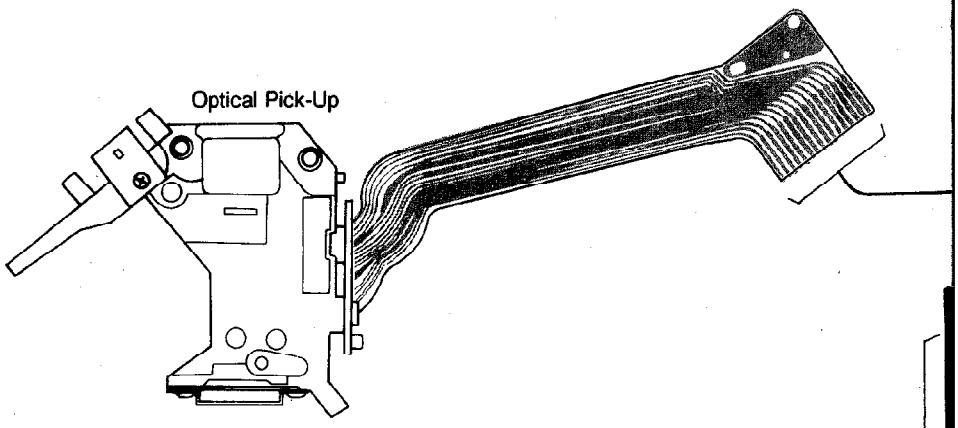
Q706	
B	0V
C	12.4V
E	12.4V

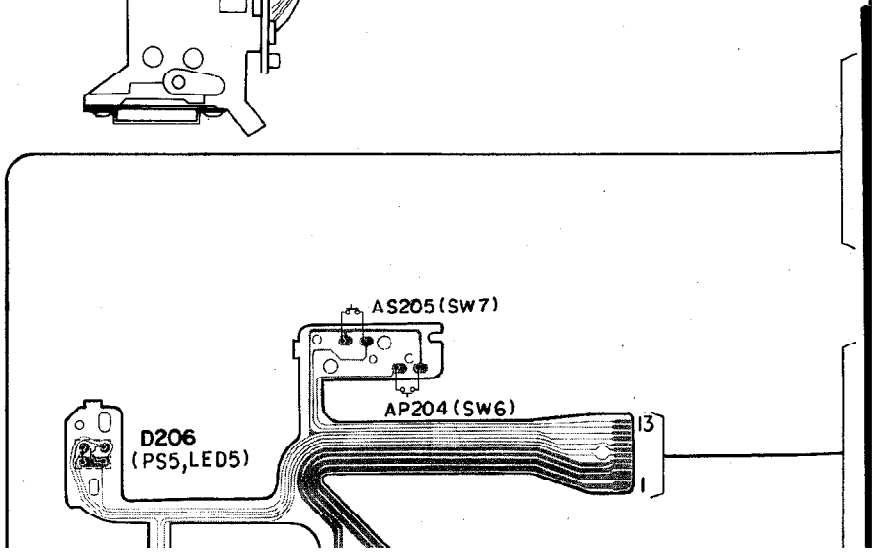
Q701	
B	6.0V
C	12.4V
E	5.0V

Q707	
B	5.0V
C	0V
E	0V



[Flexible P.C.B. E-2482A]

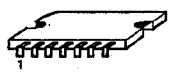




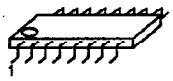
901		
0V	17	0V
0V	18	0V
0V	19	0V
0V	20	10.0V
0V	21	0V
0V	22	0V
10.0V	23	0V
10.0V	24	0V

IC902			
1	-	9	10.0V
2	-	10	10.0V
3	9.7V	11	10.0V
4	0.8V	12	0V
5	7.7V	13	9.7V
6	5.8V	14	0V
7	0V	15	0V
8	7.7V	16	0V

IC604			
1	0V	8	5.0V
2	5.0V	9	0V
3	0V	10	0.2V
4	-	11	5.0V
5	0V	12	0.8V
6	-	13	4.7V
7	0V	14	5.0V

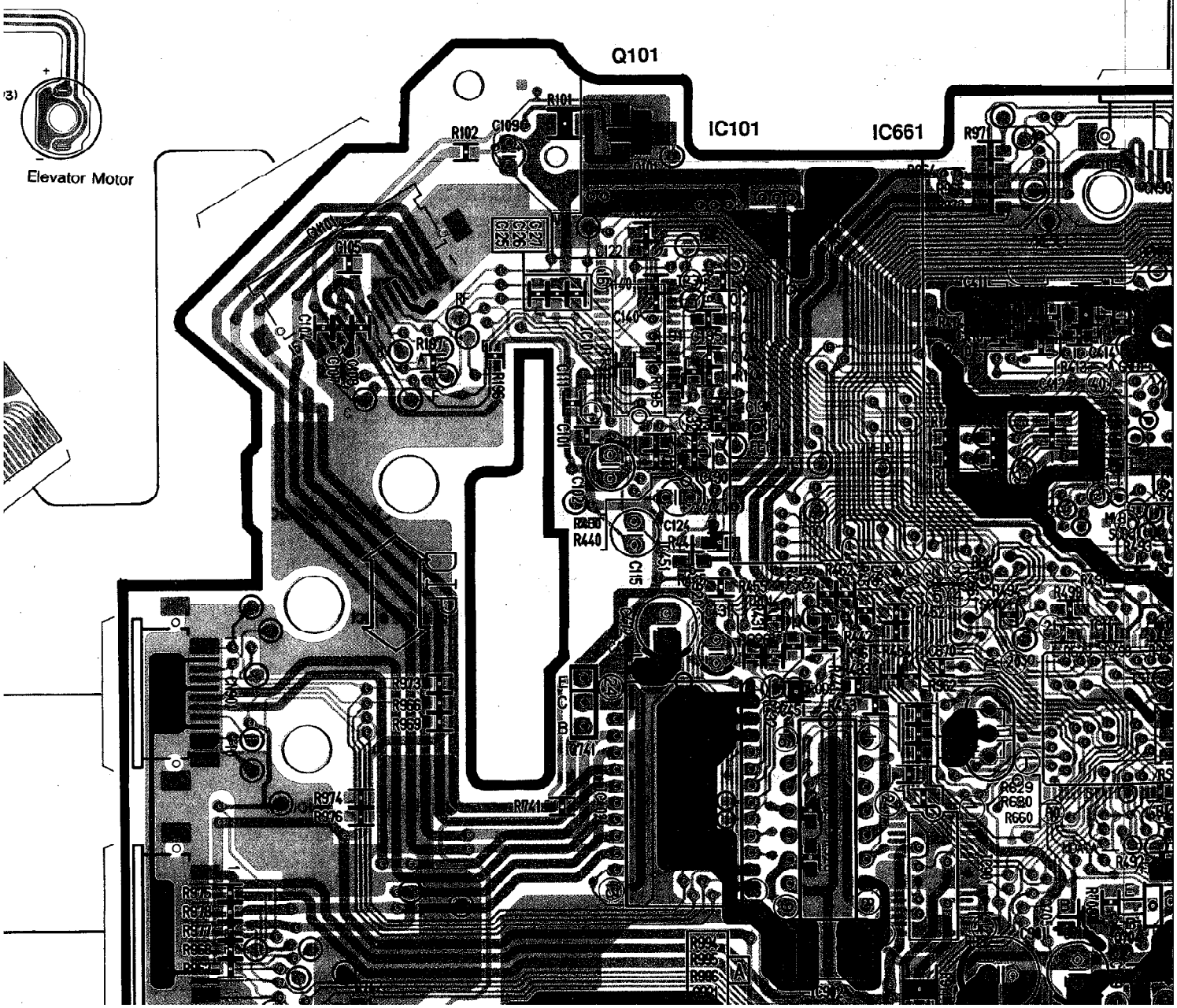


IC402	24PIN



IC101	32PIN
IC604	12PIN

IC11	80PIN
IC401	80PIN



ICs & Transistors

24PIN

IC703 3PIN

32PIN
12PIN

IC901 24PIN

IC661 5PIN

IC902 16PIN

IC602 3PIN

80PIN
80PIN

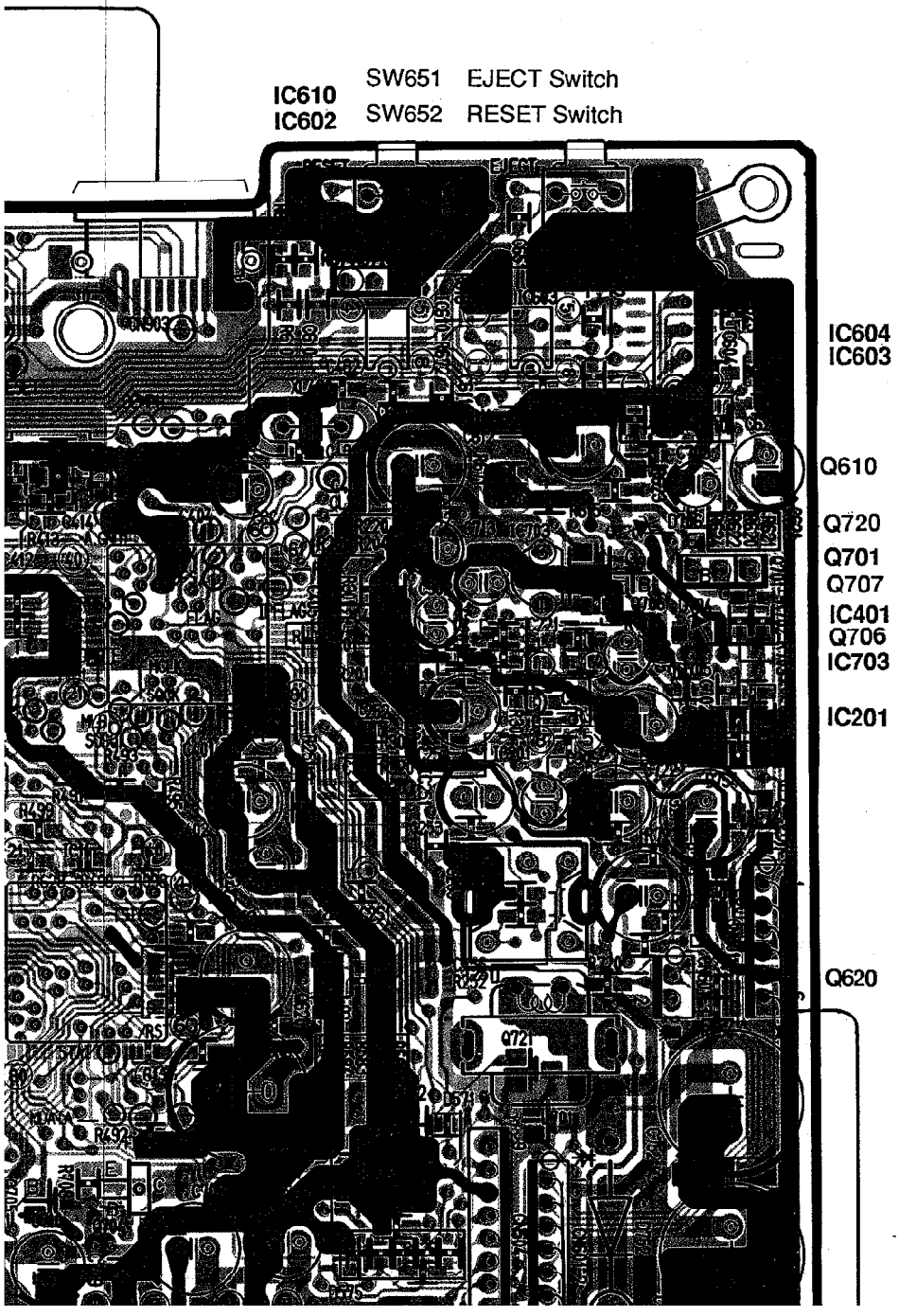
IC701 3PIN
IC702 3PIN

IC201	8PIN
IC603	8PIN
IC610	8PIN

•Q101, 704,

• Q701, 702
Q741

• Other Transistors



IC603	
1	-
2	2.2V
3	-
4	0V
5	-
6	5.0V
7	5.0V
8	-

IC610	
1	-
2	2.2V
3	-
4	0V
5	-
6	5V
7	5V
8	-

IC201	
1	5.8V
2	5.8V
3	5.8V
4	0V
5	5.8V
6	5.8V
7	5.8V
8	0V

IC703	
1	12.2V
2	0V
3	5.0V

IC661	
1	0V
2	0V
3	0V
4	0V
5	5V

IC702	
1	12.4V
2	0V
3	5.0V

IC701	
1	12.4V
2	0V
3	10.0V

Q720	
B	0V
C	5.0V
E	5.0V

IC602	
1	5.0V
2	5.0V
3	0V

E	5.0V

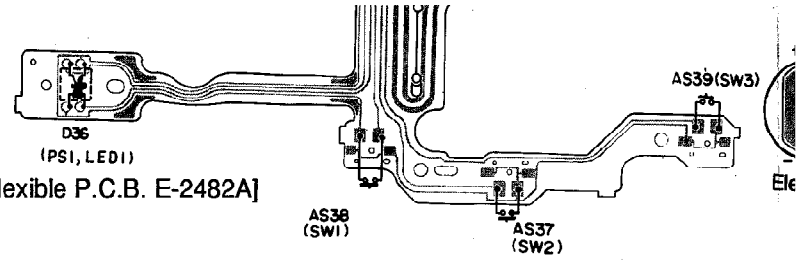
E	0V

Q620	
B	10.0V
C	0V
E	0V

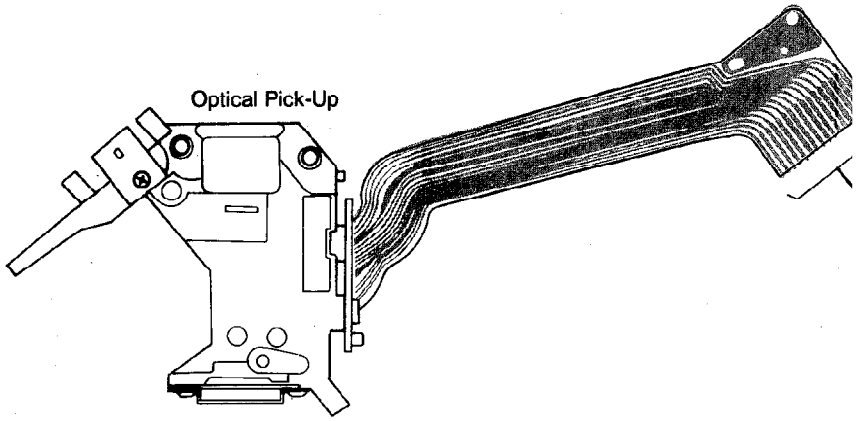
Q706	
B	0V
C	12.4V
E	12.4V

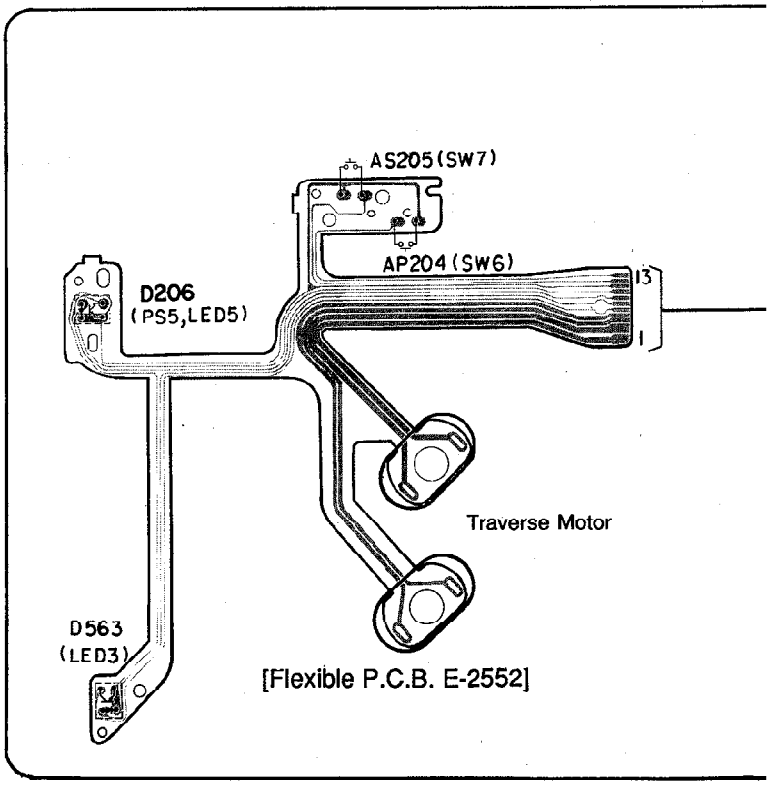
Q701	
B	6.0V
C	12.4V
E	5.0V

Q707	
B	5.0V
C	0V
E	0V



[Flexible P.C.B. E-2482A]





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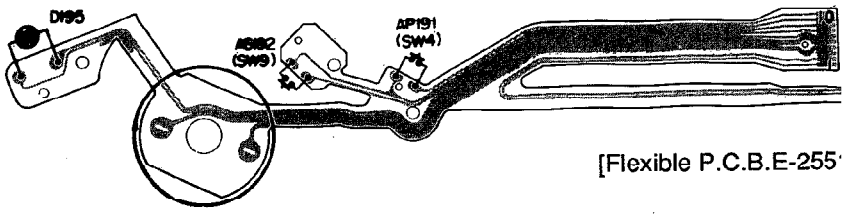
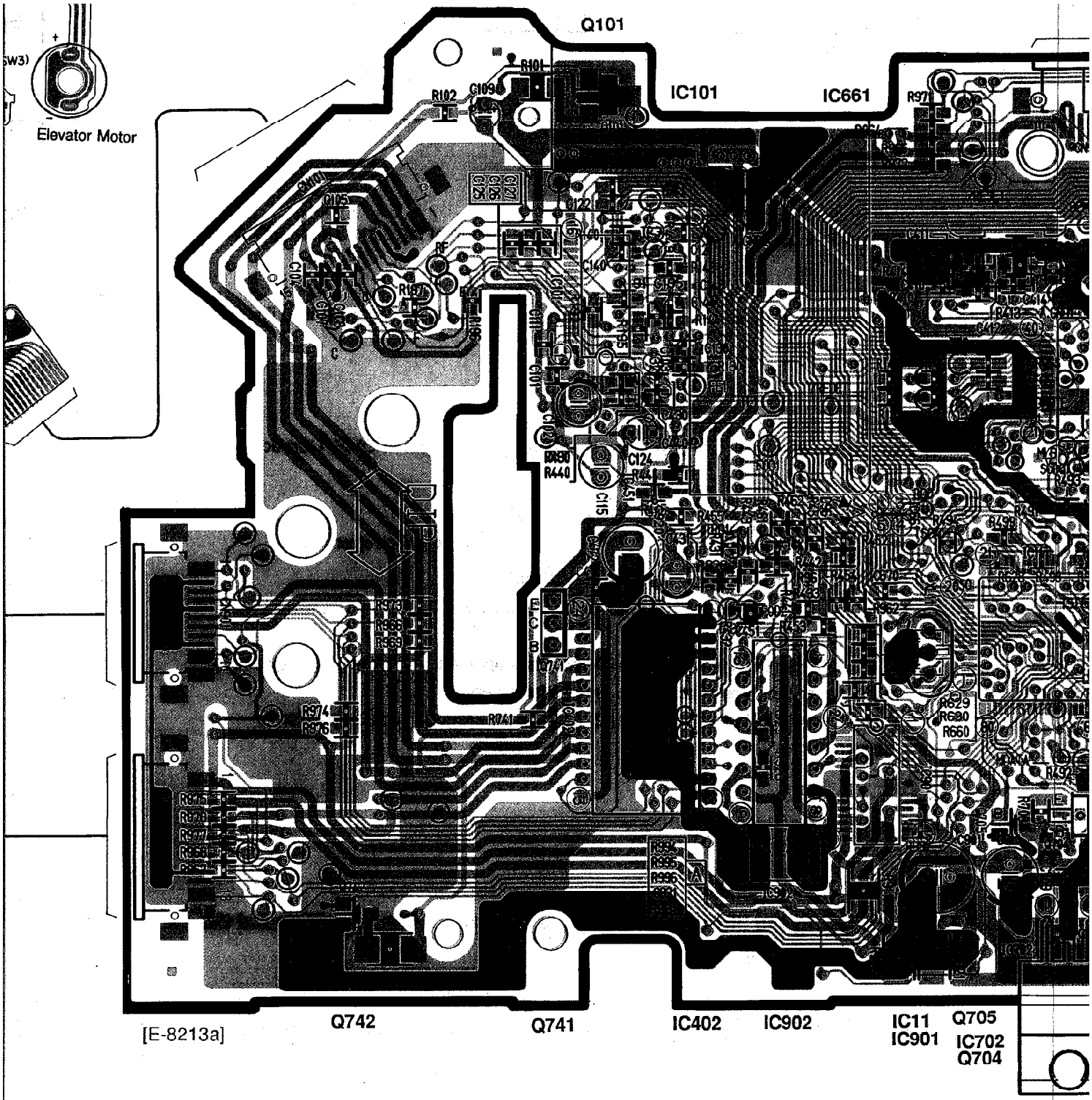


[Flexible P.C.B.E-255

Spindle Motor

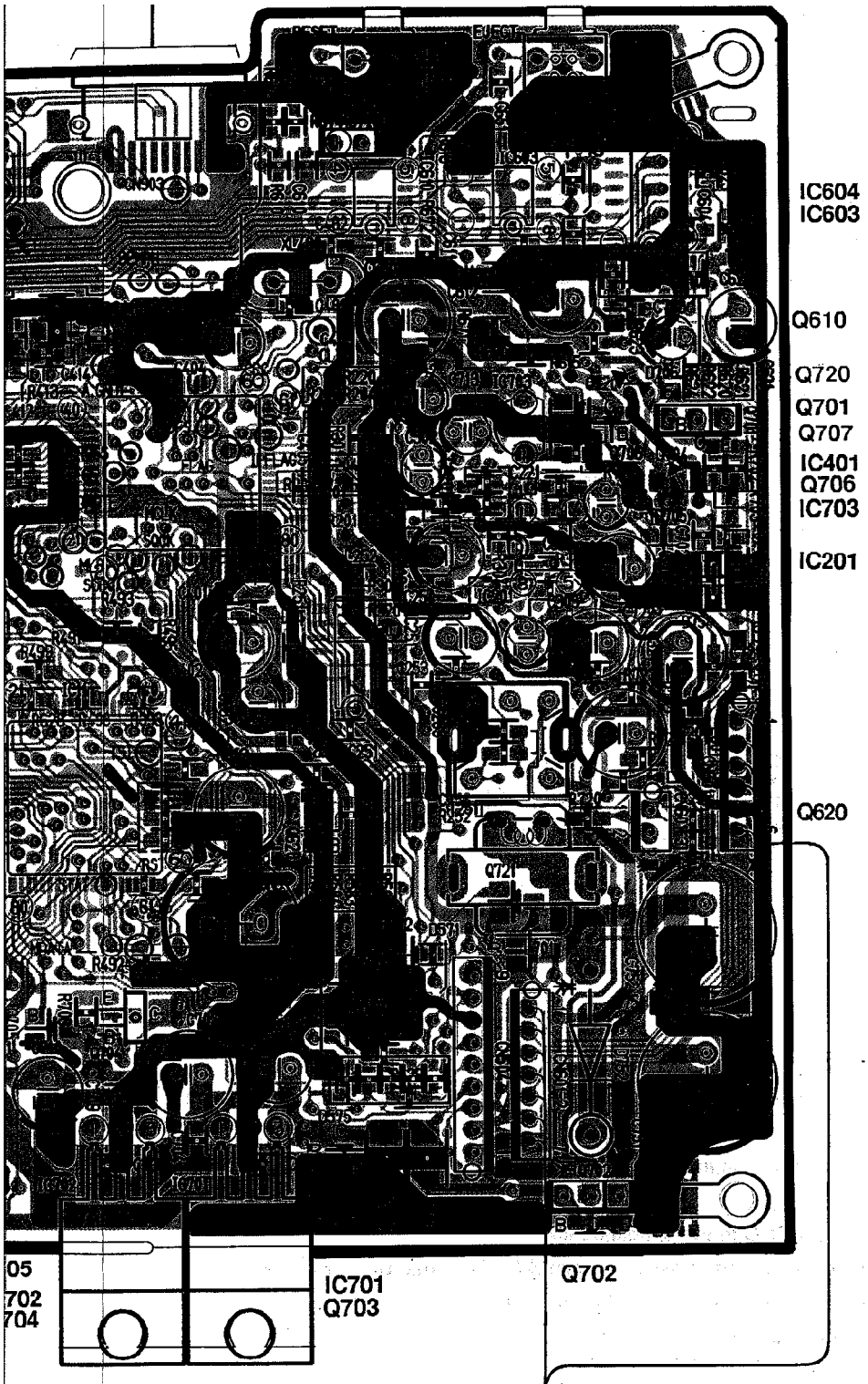


[E-8213a]

CN601 13P DINCONNECTOR

1. R ch Output ⊕
2. R ch Output ⊖
3. L ch Output ⊕
4. L ch Output ⊖
5. GND
6. AD
7. ACC
8. SELECT
9. CLOCK
10. BATT (⊕B)
11. DATA
12. STROBE
13. REMOCON

E-2551]



3	-
4	0V
5	-
6	5.0V
7	5.0V
8	-

3	-
4	0V
5	-
6	5V
7	5V
8	-

IC201	
1	5.8V
2	5.8V
3	5.8V
4	0V
5	5.8V
6	5.8V
7	5.8V
8	0V

IC703	
1	12.2V
2	0V
3	5.0V

IC661	
1	0V
2	0V
3	0V
4	0V
5	5V

IC702	
1	12.4V
2	0V
3	5.0V

IC701	
1	12.4V
2	0V
3	10.0V

Q720	
B	0V
C	5.0V
E	5.0V

IC602	
1	5.0V
2	5.0V
3	0V

Q702	
B	11.7V
C	12.4V
E	12.4V

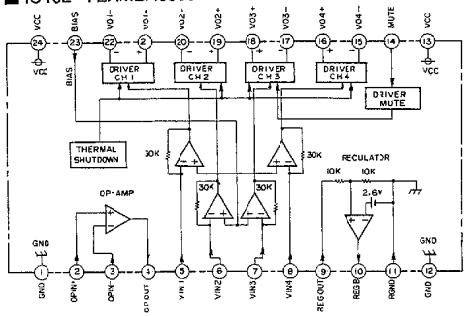
Q741	
B	9.3V
C	10.0V
E	10.0V

Q703	
B	5.0V
C	0.3V
E	0V

Q742	
B	5.0V
C	0V
E	0V

IC BLOCK DIAGRAMS

■ IC402 YEAMBA6899AS



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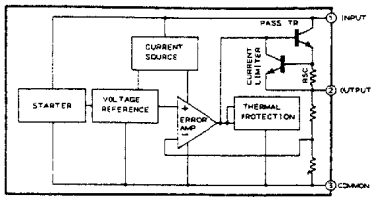
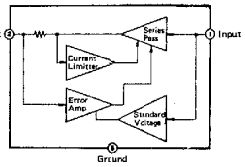


■ IC701 AN7710



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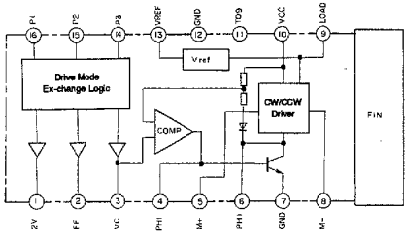
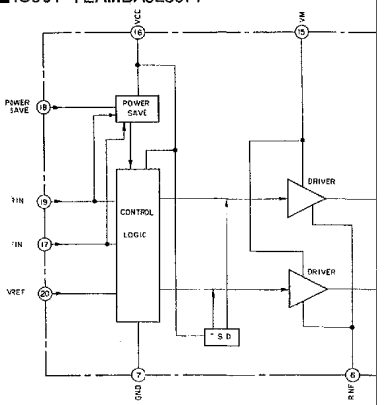
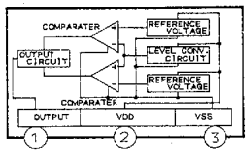


■ IC901 YEAMBA6285FP



■ IC602 MN1280S



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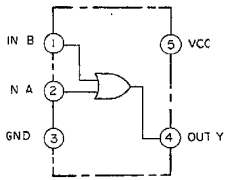
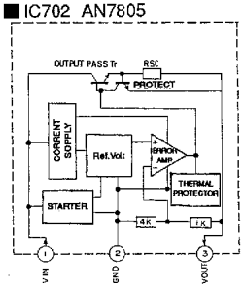


■ IC702 AN7805



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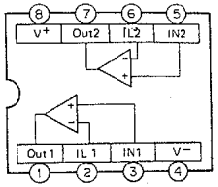
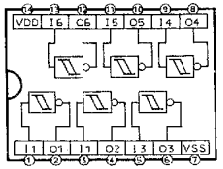


■ IC604 MN4584BST1



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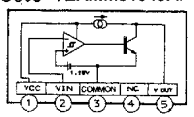
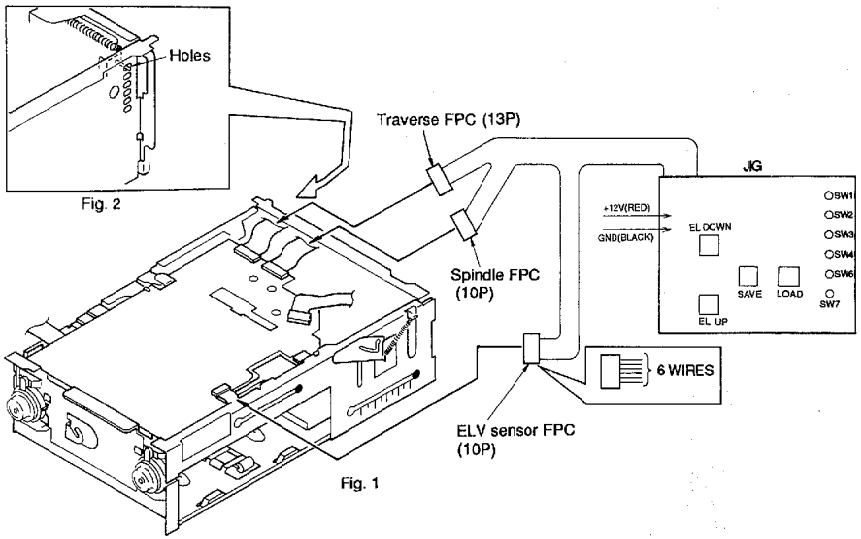


ALIGNMENT INSTRUCTIONS (JIG)

1. Troubleshooting Method (for disk stack) Part NO. YESFZN3010



(1) Confirm that pins are not protruded from the holes in Fig. 2. If they are protruded, treatment of (2)-1), and

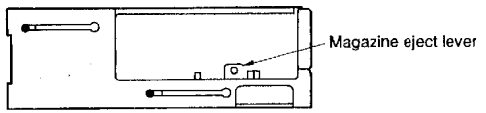
(4) Eject upon completion of save
Upon completion of (2)-3) or (3)-4), press the DOWN button of the simplified jig unitl the magazine is ejected.

(5) Treatment after magazine eject
When the magazine is ejected as per (5)-1), Press the UP button of the simplified jig until LED of SW3 is unlit.

2. Chuck Cleaning

(1) Method without disassembling the set:

1) Use a screwdriver and fully press the magazine eject lever (with POWER turned on).



2) Remove the screw driver when the chuck is half-open and moved to the magazine side.
3) In this state, clean the chuck with a long cotton swab.
4) When the reset button is pressed after cleaning, the regular standby position is recovered.

(2) Solvent
Ethanol anhydride

4. JIG FOR (
(PARTS N

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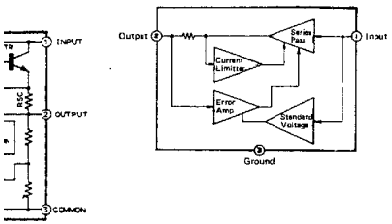
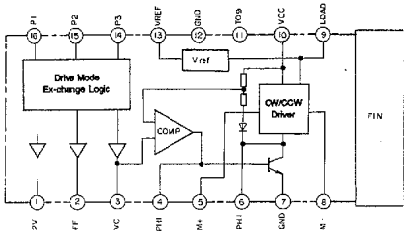
betwee

Eleva

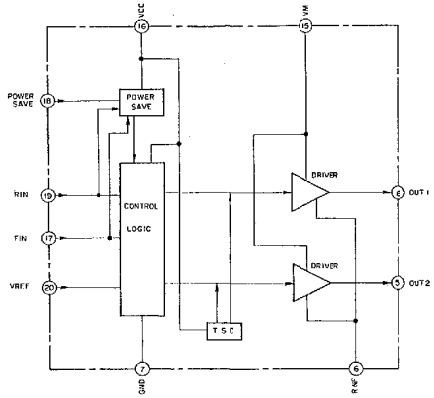
■ IC701 AN7710



■ IC902 AN6608



■ IC901 YEAMBA6285FP



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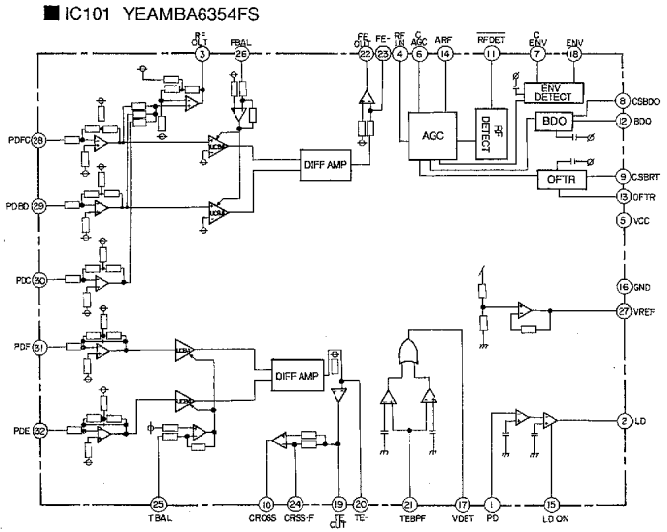

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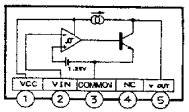

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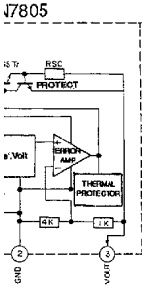

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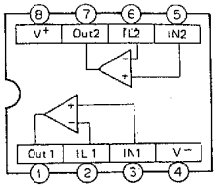
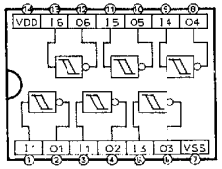


■ IC604 MN4584BST1



(4) Eject upon completion of save

Upon completion of (2)-3) or (3)-4), press the DOWN button of the simplified jig unitl the magazine is ejected.

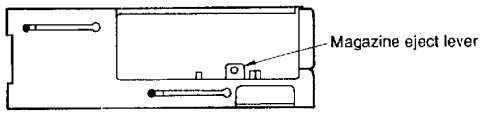
(5) Treatment after magazine eject

When the magazine is ejected as per (5)-1), Press the UP button of the simplified jig until LED of SW3 is unlit.

2. Chuck Cleaning

(1) Method without disassembling the set:

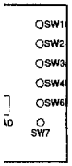
1) Use a screwdriver and fully press the magazine eject lever (with POWER turned on).



2) Remove the screw driver when the chuck is half-open and moved to the magazine side.
3) In this state, clean the chuck with a long cotton swab.
4) When the reset button is pressed after cleaning, the regular standby position is reccvered.

(2) Solvent

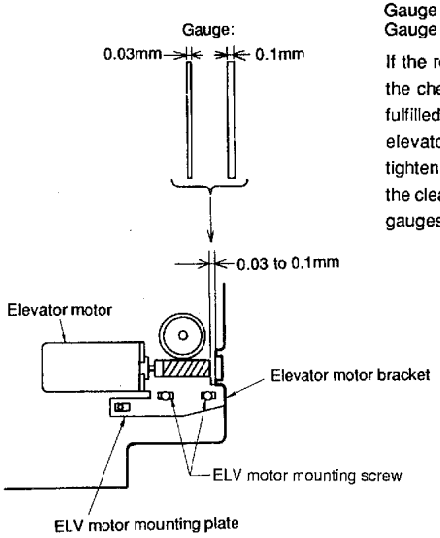
Ethanol anhydride



, and

4. JIG FOR CHECKING THE ELEVATOR MOTOR WORM GEAR CLEARANCE (PARTS NO. YESFZN3009)

When the elevator motor have been changed or removed, make sure of checking without fail the clearance between the worm gear and the mounting bracket, by using the JIG (YESFZN3009).



Gauge of 0.03mm : Passing
Gauge of 0.1mm : Not Passing

If the requirements mentioned above, referring to the check by means of the gauges (jigs), are not fulfilled, insert the 0.1 millimeter gauge, push the elevator motor slightly to the bracket side, and tighten the motor mounting screw. After that, check the clearance once again by making use of the two gauges (jigs) mentioned above.

ALIGNMENT INSTRUCTIONS (JIG)

1. Troubleshooting Method (for disk stack) Part NO. YESFZN3010

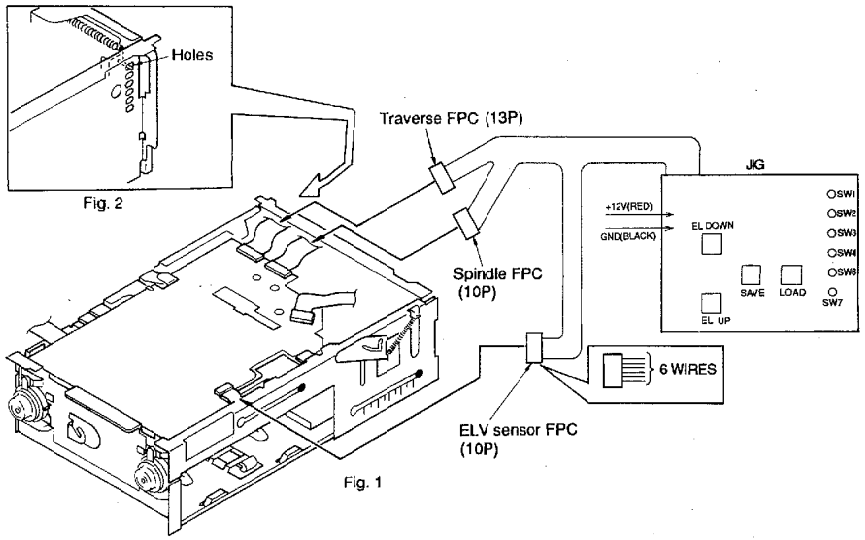


Fig. 2

Fig. 1

(1) Confirm that pins are not protruded from the holes in Fig. 2. If they are protruded, treatment of (2)-1), and then treatment of (3), shall be conducted. If they are not protruded, treatment of (2) shall be effected.

(2) If the condition of Fig. 1-1) (See Fig. below) is assumed on lines 1 to 6, disk saving shall be made in the following procedures:

1) Connect the traverse FPC / ELV sensor FPC to the simplified jig.
2) Press the [SAV] button of the simplified jig to the position where SW4 is turned off. (LED unlit). However, confirm in this case that SW7 is surely turned off (LED unlit).
3) Reverse the deck and confirm that the disk is contained in the magazine.

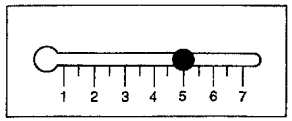


Fig. 1-1

(3) Save in the middle of clamping

1) Examine from which holes pins are protruded under the condition of Fig. 2. (No.1→No. 6 from, top)
2) Press the [UP] or [DOWN] button of the simplified jig for adjustment, so that the value of Fig. 1-1) coincides with the value of (3)-1).
3) Press the [SAV] button of the simplified jig until LED of SW4 is unlit, LED of SW6 is unlit, and LED of SW7 is unlit.
4) Reverse the deck and confirm that the disk is contained in the magazine.

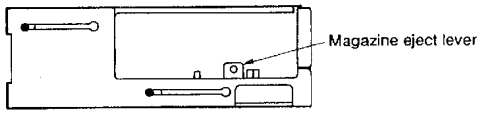
(4) Eject upon completion of save
Upon completion of (2)-3) or (3)-4), press the [DOWN] button of the simplified jig unitl the magazine is ejected.

(5) Treatment after magazine eject
When the magazine is ejected as per (5)-1), Press the [UP] button of the simplified jig until LED of SW3 is unlit.

2. Chuck Cleaning

(1) Method without disassembling the set:

1) Use a screwdriver and fully press the magazine eject lever (with POWER turned on).

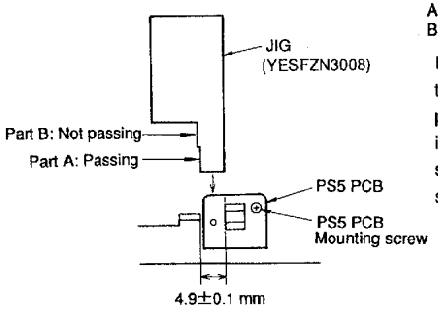


2) Remove the screw driver when the chuck is half-open and moved to the magazine side.
3) In this state, clean the chuck with a long cotton swab.
4) When the reset button is pressed after cleaning, the regular standby position is recovered.

(2) Solvent
Ethanol anhydride

3. Method for Using the Jig for Checking the Clearance between PS5 and the Side Cam Part NO. YESFZN3008

When the ELV upper chassis or the PCB of PS5 has been installed, make sure of checking the clearance between PS5 and the side cam without fail, by using the JIG (YESFZN3008), after the installation of the said parts.



A: Passing
B: Not passing

If the requirements described above, referring to the check by means of the jig, are not fulfilled, the part A of the JIG shall be inserted in the space existing between PS5 and the side cam, and the position shall be adjusted by means of the mounting screw of the PS5 PCB.

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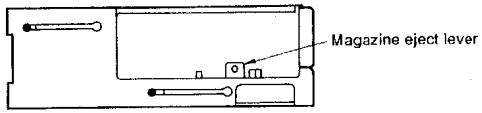
(4) Eject upon completion of save
Upon completion of (2)-3) or (3)-4), press the DOWN button of the simplified jig unitl the magazine is ejected.

(5) Treatment after magazine eject
When the magazine is ejected as per (5)-1), Press the UP button of the simplified jig until LED of SW3 is unlit.

2. Chuck Cleaning

(1) Method without disassembling the set:

1) Use a screwdriver and fully press the magazine eject lever (with POWER turned on).

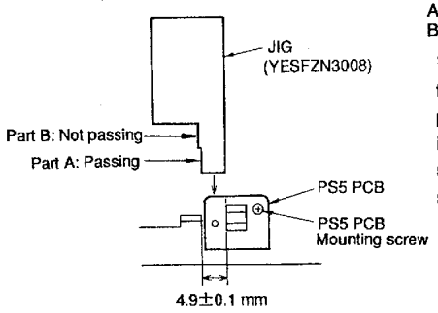


2) Remove the screw driver when the chuck is half-open and moved to the magazine side.
3) In this state, clean the chuck with a long cotton swab.
4) When the reset button is pressed after cleaning, the regular standby position is recovered.

(2) Solvent
Ethanol anhydride

3. Method for Using the Jig for Checking the Clearance between PS5 and the Side Cam Part NO. YESFZN3008

When the ELV upper chassis or the PCB of PS5 has been installed, make sure of checking the clearance between PS5 and the side cam without fail, by using the JIG (YESFZN3008), after the installation of the said parts.

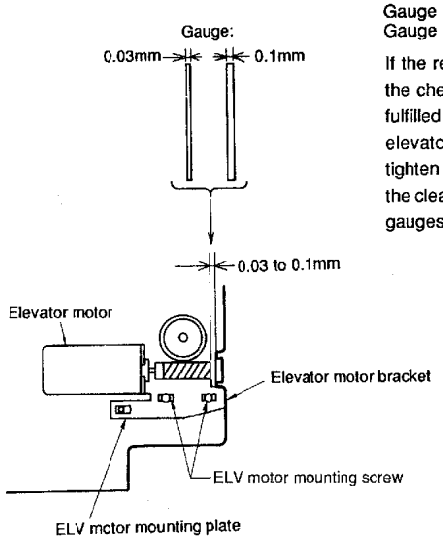


A: Passing
B: Not passing

If the requirements described above, referring to the check by means of the jig, are not fulfilled, the part A of the JIG shall be inserted in the space existing between PS5 and the side cam, and the position shall be adjusted by means of the mounting screw of the PS5 PCB.

4. JIG FOR CHECKING THE ELEVATOR MOTOR WORM GEAR CLEARANCE (PARTS NO. YESFZN3009)

When the elevator motor have been changed or removed, make sure of checking without fail the clearance between the worm gear and the mounting bracket, by using the JIG (YESFZN3009).



Gauge of 0.03mm : Passing
Gauge of 0.1mm : Not Passing

If the requirements mentioned above, referring to the check by means of the gauges (jigs), are not fulfilled, insert the 0.1 millimeter gauge, push the elevator motor slightly to the bracket side, and tighten the motor mounting screw. After that, check the clearance once again by making use of the two gauges (jigs) mentioned above.

ABGLEICHANLEITUNG (VORRICHTUNG)

1. Störungsbeseitigung (für Diskettenstapel) Teire-NR. :YESFZN3010

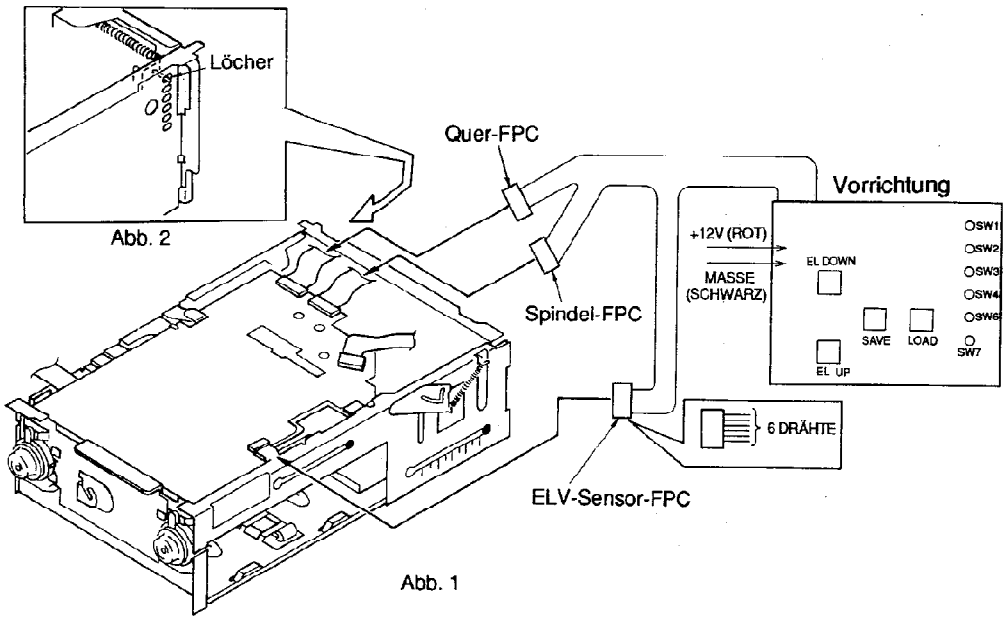


Abb. 1

(1) Darauf achten, das die Stifte an den in Abb. 2 gezeigten Löchern nicht überstehen. Falls sie überstehen, sind die Behandlung (2)-1) und danach die Behandlung (3) auszuführen. Falls sie nicht überstehen, 1st mit der Behandlung (2) fortzusetzen.

(2) Falls die in Abb. 1-1 (siehe nachfolgende Abb.) gezeigte Bedingung an den Zeilen 1 bis 6 angenommen wird, sind die folgenden Vorgänge für das Sichern der Disk einzuhalten:

1) Die Quer-FPC / ELV-Sensor-FPC an die vereinfachte Vorrichtung anschließen.
2) Die [SAV]-Taste der vereinfachten Vorrichtung in die Position drücken, in der SW4 ausgeschaltet wird (LED leuchtet nicht). In diesem Fall jedoch darauf achten, daß SW7 unbedingt ausgeschaltet ist (LED leuchtet nicht).
3) Das Deck umkehren ung darauf achten, daß die Disk in dem Magazin enthalten ist.

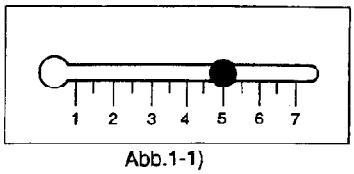


Abb.1-1)

(3) Sichern in der Mitte der Klemmung

1) Untersuchen, an welchen Löchern die Stifte unter der in Abb. 2 gezeigten Bedingung Überatehen. (Nr.1→Nr. 6 von oben).
2) Die [UP]-oder [DOWN]-Taste der vereinfachten Vorrichtung für die Einstellung drücken, so daß der Wert in Abb. 1-1) mit dem Wert in (3)-1) übereinstimmt.
3) Die [SAV]-Taste der vereinfachten Vorrichtung drücken, bis die LED von SW4 erlischt, die LED von SW6 erlischt und die LED von SW7 erlischt.
4) Das Deck umkehren und darauf achten, daß die Disk in dem Magazin enthalten ist.

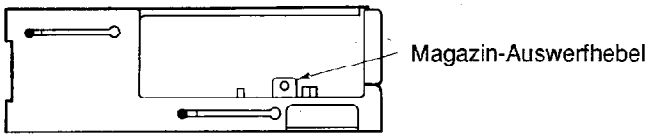
(4) Auswurf nach Beendigung der Sicherung
Nach Beendigung des Schrittes (2)-3) oder (3)-4) die DOWN -Taste der vereinfachten Vorrichtung drücken, bis das Magazin ausgeworfen wird.

(5) Behandlung nach dem Auswerfen des Magazins
Wenn das Magazin gemäß (5)-1) ausgeworfen wird, die UP -Taste der vereinfachten Vorrichtung drücken, bis die LED von SW3 erlischt.

2. Reinigen der Einspannvorrichtung

(1) Methode ohne Demontage des Gerätes:

1) Einen Schraubendreher verwenden und den Magazin-Auswerfhebel richtig drücken (bei ausgeschalteter Stromversorgung).

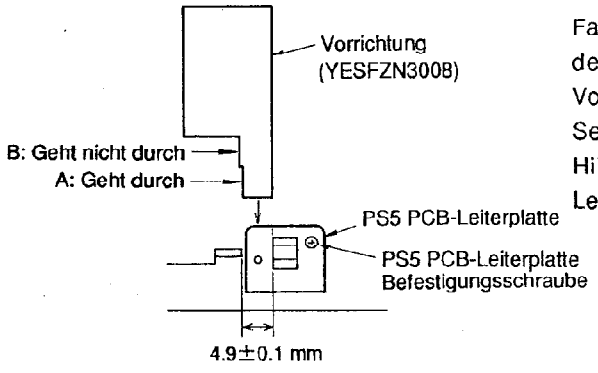


2) Den Schraubendreher entfernen, wenn die Einspannvorrichtung halb geöffnet und an die Magazinseite verschoben ist.
3) In diesem Status die Einspannvorrichtung mit einem langen Wattebausch reinigen.
4) Wenn die Reset-Taste nach dem Reinigen gedrückt wird, wird wiederum die normale Bereitschaftsposition erhalten.

(2) Lösungsmittel
Ethanol-Anhydrid

3. Methode für Verwendung der Vorrichtung zur Prüfung des Spiels Zwischen PS5 und der Seitennocke (Teire-NR.:YESFZN3008)

Wenn das obere ELV-Chassis oder die PCB-Leiterplatte von PS5 eingebaut wurde, darauf achten, daß das Spiel zwischen PS5 und der Seitennocke überprüft wird; dazu die Vorrichtung (YESFZN3008) nach dem Eimbau der genannten Teile verwenden.

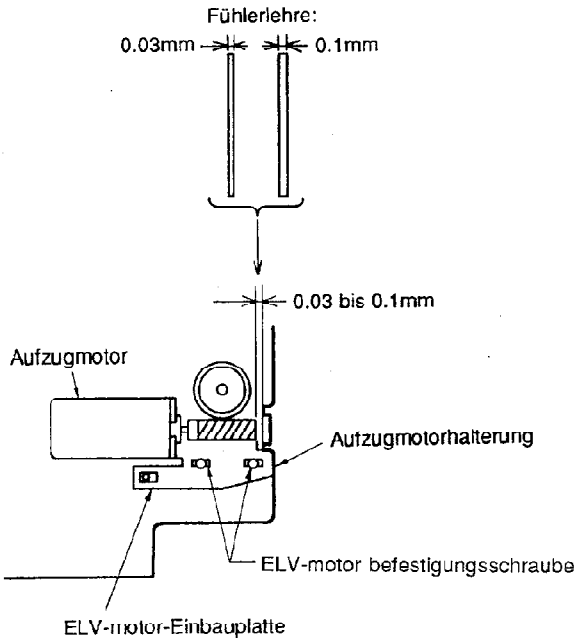


Teil A : Geht durch
Teil B : Geht nicht durch

Falls die obigen Anforderungen für die Prüfung mit der Vorrichtung nicht erfüllt sind, Teil A der Vorrichtung in den Spalt zwischen PS5 und der Seitennocke einführen, worauf die Position mit Hilfe der Befestigungsschraube der PS5 PCB-Leiterplatte einzustellen ist.

4. VORRICHTUNG ZUR PRÜFUNG DES AUFZUGMOTOR-SCHNECKENRADSPIELS (Teire-NR. :YESFZN3009)

Wenn der Aufzugmotor erneuert oder ausgebaut wurde, unbedingt das Spiel zwiscnen dem Schneckenrad und der Einbauhalterung mit der Vorrichtung (YESFZN3009) überprüfen.



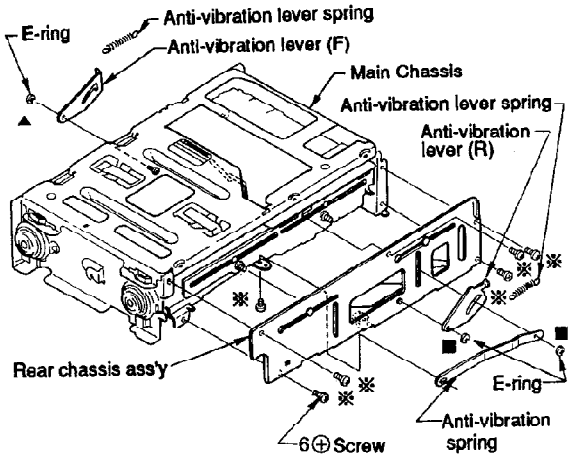
0.03mm Fühlerlehre: Geht durch
0.1mm Fühlerlehre: Geht nicht durch

Falls die obigen Anforderungen für die Prüfung mit den Fühlerlehren (Vorrichtungen) nicht erfüllt sind, eine 0.1mm Fühlerlehre einführen, den Aufzugmotor leicht gegen die Halterungsseite drücken und dic Motor-Befestigungsschraube festziehen. Danach das Spiel nochmals kontrollieren, indem die beiden oben erwähnten Fühlerlehren (Vorrichtungen) verwendet werden.

DISASSEMBLY INSTRUCTIONS

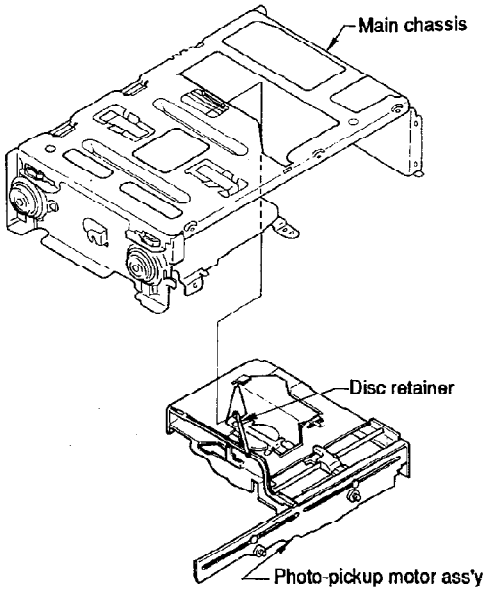
1. REAR CHASSIS ASS'Y REMOVAL

- Remove the anti-vibration lever springs.
- Remove the 2 E-rings (■), then the anti-vibration spring and anti-vibration lever (R).
- Remove the 6⊕ screws, then the rear chassis ass'y.
- Remove the E-ring (▲), then the anti-vibration lever (F).



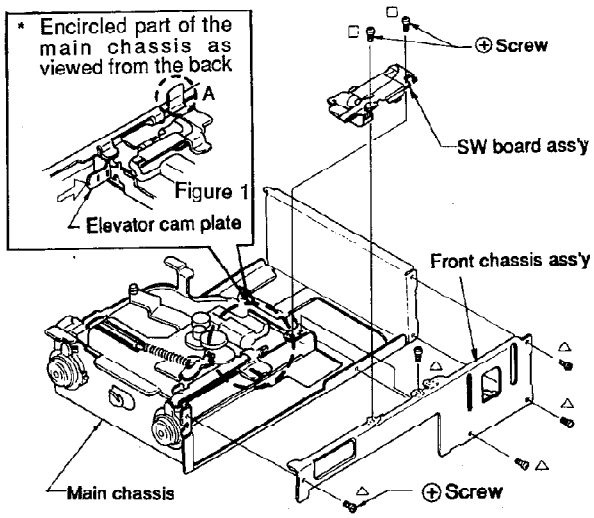
2. PHOTO-PICKUP MOTOR ASS'Y REMOVAL

- Remove the disc retainer.
- Remove the photo-pickup and motor ass'y, holding it carefully not to drop it.



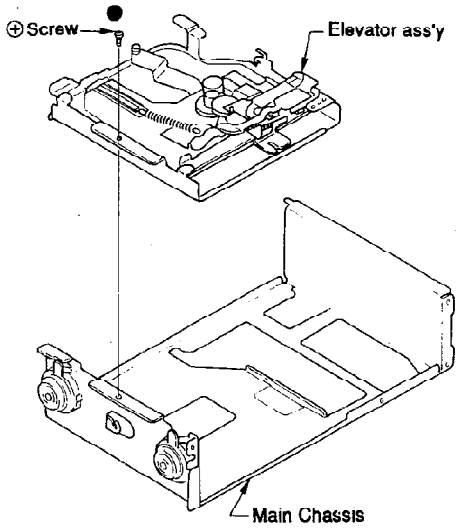
3. FRONT CHASSIS ASS'Y AND SW BOARD ASS'Y REMOVAL

- Remove the 2⊕ screws (□), then the SW board from the main chassis.
- Remove the 5⊕screws (△), then the front chassis ass'y from the main chassis.
- Insert the jig YESFZN3010 into part A (flexible) shown in Figure 1, and move the elevator cam plate in the arrow direction.



4. ELEVATOR ASS'Y REMOVAL

- Removal the ⊕screw(●), then the elevator ass'y from the main chassis.

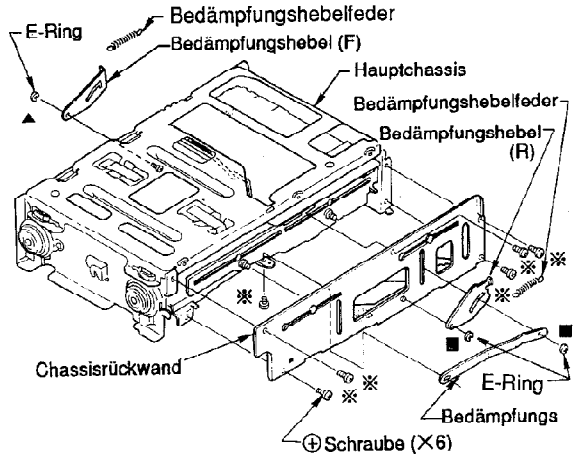


Q705 | YEANC143EK1 | Transistor | 1 | C111 | YECUS1C104KX | Ceramic, 0.1MFD | 16WV | 1

ZERLEGUNGSANLEITUNG

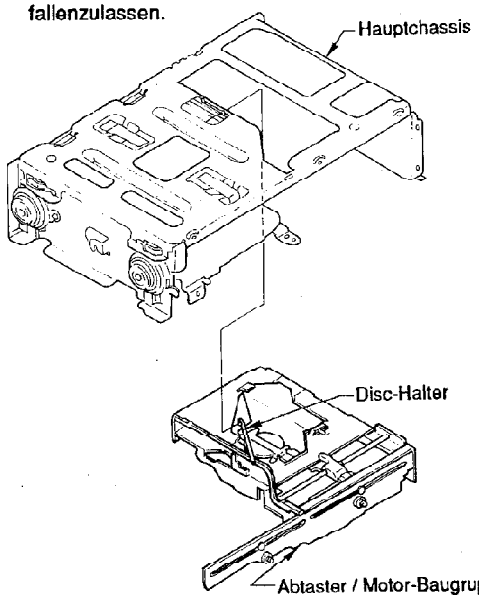
1. ABNEHMEN DER CHASSISRÜCKWAND

- Die Bedämpfungshebelfedern entfernen.
- Die 2 E-Ringe (■) und danach die Bedämpfungs und den Bedämpfungshebel (R) entfernen.
- Die 6 ⊕-Schrauben und danach die Chassisrückwand entfernen.
- Den E-Ring (▲) und danach den Bedämpfungshebel (F) entfernen.



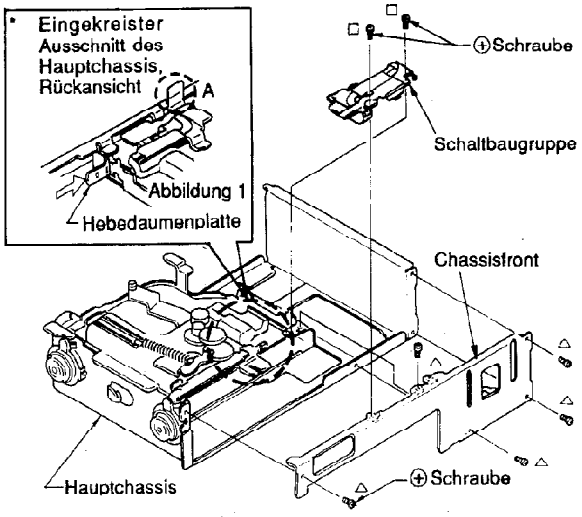
2. ENTNEHMEN DER ABTASTER / MOTOR - BAUGRUPPE

- Den Disc-Halter entfernen.
- Die Abtaster / Motor-Baugruppe entnehmen. Dabei vorsichtig vorgehen, um die Baugruppe nicht fallenzulassen.



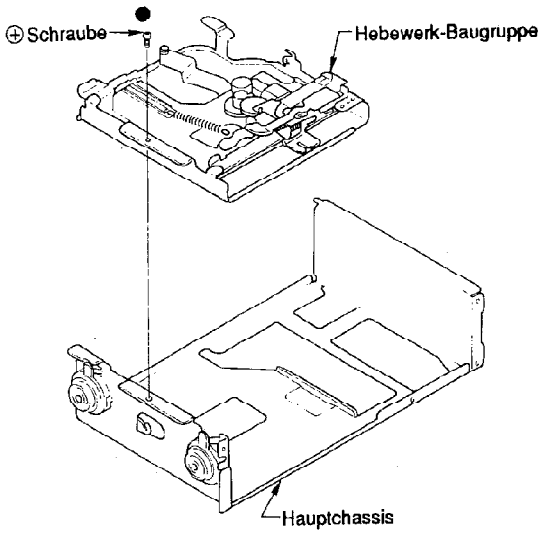
3. ABNEHMEN DER CHASSISFRONT UND SCHALTBAUGRUPPE

- Die 2 ⊕-schrauben (□) entfernen und die Schaltbaugruppe aus dem Chassis entnehmen.
- Die 5⊕-Schrauben (△) entfernen und die Chassisfront vom Hauptchassis abnehmen.
- Die Schablone YESFZN3010 wie in Abb. 1 gezeigt in Teil A (biegbar) einsetzen und die Hebedaumenplatte in Pfeilrichtung verschieben.



4. AUSBAUEN DER HEBEWERK-BAUGRUPPE

- Die ⊕-Schraube (●) entfernen und die Hebewerk-Baugruppe aus dem Hauptchassis entnehmen.



Replacement Parts List
Models No. CX-DP601EN / DP600AEN

NOTE:

1. Be sure to make your orders of replacement parts acording to this list.
2. Important safety notice: Components, dentiified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinueation of assembly in production, the item will continue to retention period of availabitity is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

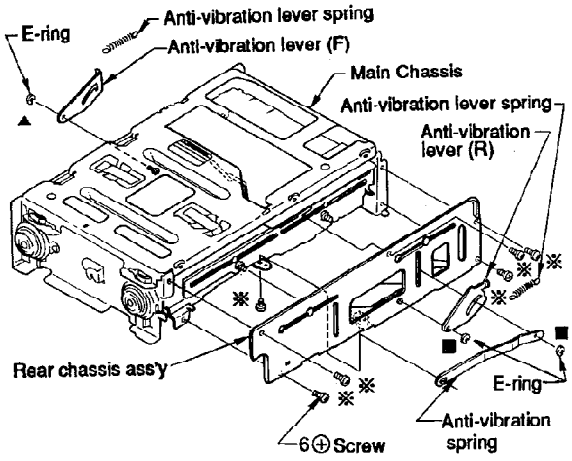
MODELS CX-DP601EN/DP600AEN

Ref. No.	Parts No.	Part Code	Parts Name & Demension	Pcs set	Remarks
[E-8213]	**ICs AND TRANSISTORs**				
IC11	MN1882417BEB		IC	1	
IC101	YEAMBA6354FS		IC	1	
IC201	YEAMPC4570T1		IC	1	
IC401	MN662741RH		IC	1	
IC402	YEAMBA6899AS		IC	1	
IC602	MN128CS		IC	1	
IC603	YEAMM51945AF		IC	1	
IC604	MN4584BST1		IC	1	
IC610	YEAMM51945AF		IC	1	
IC661	YEAMTC7S32FL		IC	1	
IC701	AN7710		IC	1	
IC702	AN7805		IC	1	
IC703	YEAMPC78L05T		IC	1	
IC901	YEAMBA6285FP		IC	1	
IC902	AN6608		IC	1	
Q10*	2SB766ATX		Transistor	1	
Q610	YEANC114WKT		Transistor	1	
Q620	YEANC144EKT		Transistor	1	
Q70*	2SD1994ATA		Transistor	1	
Q702	YEANB1326TV2		Transistor	1	
Q703	YEANFA1A4PT2		Transistor	1	
Q704	2SB766ATX		Transistor	1	
Q705	YEANC143EKT		Transistor	1	
Q706	YEANFP1F3PT1		Transistor	1	
Q707	YEANC124EKTX		Transistor	1	
Q720	YEANFP1F3PT1		Transistor	1	
Q741	YEANB1326TV2		Transistor	1	
Q742	YEANFA1A4PT2		Transistor	1	
[E-8213]	**DIODEs**				
D703, 704	YEADSH1544TL		Diode	2	
D705	MA151KTX		Diode	1	
D706	YEADRD56M3T1		Diode	1	
D751	YEADSR1544TL		Diode	1	
D752	YEADDSA3A2C		Diode	1	
D753, 754	YEADSR1544TL		Diode	2	
D961	MA151WKTX		Diode	1	
[E-8213]	**CAPACITORs**				
C11	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C12	ECEA0JKS331I		Electrolytic, 330MFD 6.3WV	1	
C101	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C102	ECEA0JK470I		Electrolytic, 47MFD 6.3WV	1	
C103	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C104	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C105, 107	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C108	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C109	ECSF1AE226B1		Tantalum, 22MFD 10WV	1	
C111	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	

DISASSEMBLY INSTRUCTIONS

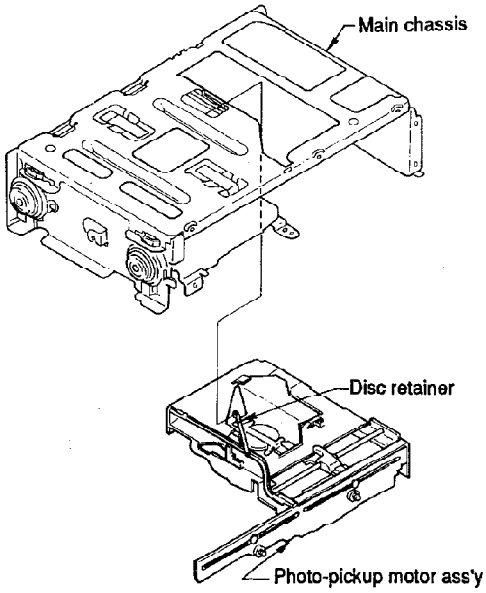
1. REAR CHASSIS ASS'Y REMOVAL

- Remove the anti-vibration lever springs.
- Remove the 2 E-rings (■), then the anti-vibration spring and anti-vibration lever (R).
- Remove the 6⊕ screws, then the rear chassis ass'y.
- Remove the E-ring (▲), then the anti-vibration lever (F).



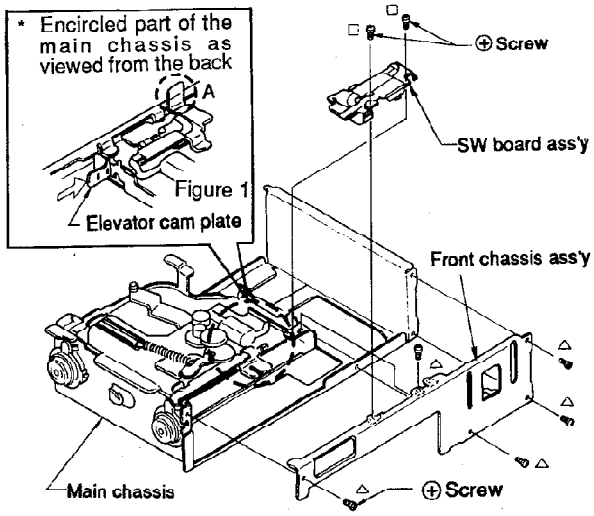
2. PHOTO-PICKUP MOTOR ASS'Y REMOVAL

- Remove the disc retainer.
- Remove the photo-pickup and motor ass'y, holding it carefully not to drop it.



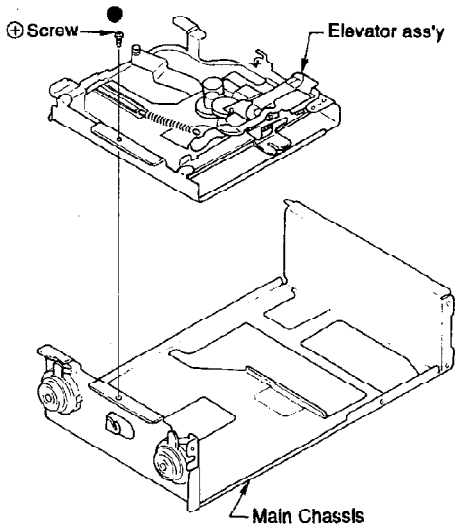
3. FRONT CHASSIS ASS'Y AND SW BOARD ASS'Y REMOVAL

- Remove the 2 ⊕ screws (□), then the SW board from the main chassis.
- Remove the 5⊕screws (△), then the front chassis ass'y from the main chassis.
- Insert the jig YESFZN3010 into part A (flexible) shown in Figure 1, and move the elevator cam plate in the arrow direction.



4. ELEVATOR ASS'Y REMOVAL

- Removal the ⊕screw(●), then the elevator ass'y from the main chassis.



ZERLEGUNGSANLEITUNG

1. ABNEHMEN DER CHASSISRÜCKWAND

- Die Bedämpfungshebelfedern entfernen.
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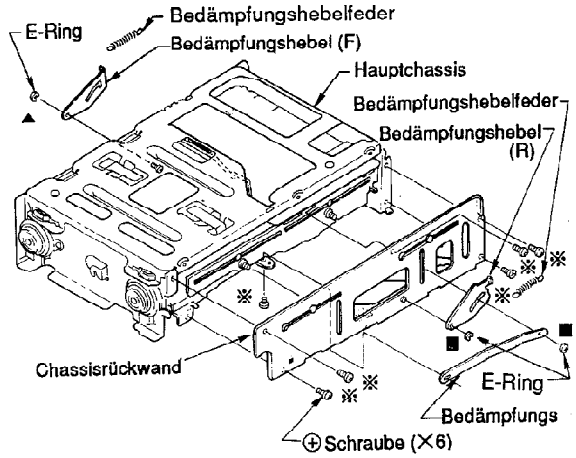
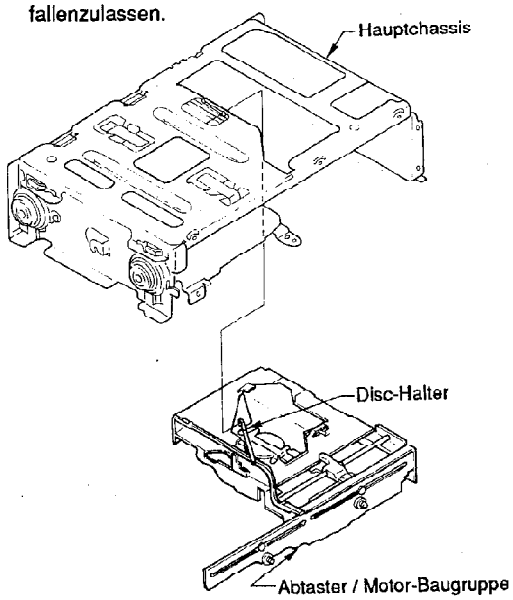
- Die 6 ⊕-Schrauben und danach die Chassisrückwand entfernen.
- Den E-Ring (▲) und danach den Bedämpfungshebel (F) entfernen.



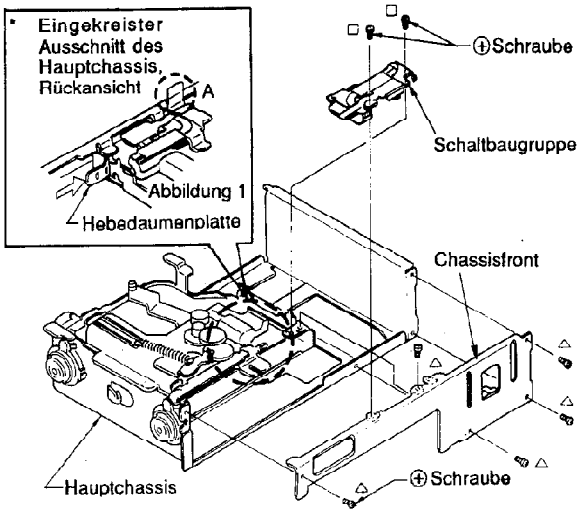
2. ENTNEHMEN DER ABTASTER / MOTOR - BAUGRUPPE

- Den Disc-Halter entfernen.
- Die Abtaster / Motor-Baugruppe entnehmen. Dabei vorsichtig vorgehen, um die Baugruppe nicht fallenzulassen.



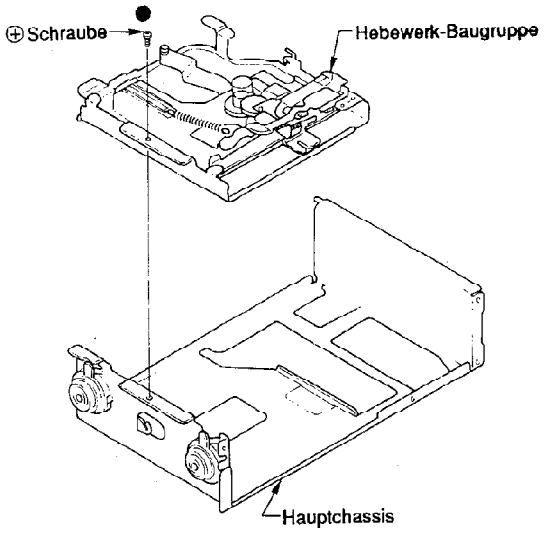
3. ABNEHMEN DER CHASSISFRONT UND SCHALTBAUGRUPPE

- Die 2 ⊕-schrauben (□) entfernen und die Schaltbaugruppe aus dem Chassis entnehmen.
- Die 5⊕-Schrauben (△) entfernen und die Chassisfront vom Hauptchassis abnehmen.
- Die Schablone YESFZN3010 wie in Abb. 1 gezeigt in Teil A (biegbar) einsetzen und die Hebedaumenplatte in Pfeilrichtung verschieben.



4. AUSBAUEN DER HEBEWERK-BAUGRUPPE

- Die ⊕-Schraube (●) entfernen und die Hebewerk-Baugruppe aus dem Hauptchassis entnehmen.



Replacement Parts List
Models No. CX-DP601EN / DP600AEN

NOTE:

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2. Important safety notice: Components, identified by ⚠ mark have specia characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
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MODELS CX-DP601EN/DP600AEN

Ref. No.	Parts No.	Part Code	Parts Name & Demension	Pcs set	Remarks
[E-8213]	**ICs AND TRANSISTORs**				
IC11	MN18824178EB		IC	1	
IC10·	YEAMBA6354FS		IC	1	
IC20·	YEAMPC4570T1		IC	1	
IC40·	MN662741RH		IC	1	
IC402	YEAMBA6899AS		IC	1	
IC602	MN1280S		IC	1	
IC603	YEAMM51945AF		IC	1	
IC604	MN4584ST1		IC	1	
IC610	YEAMM51945AF		IC	1	
IC66·	YEAMTC7S32FL		IC	1	
IC70·	AN7710		IC	1	
IC702	AN7805		IC	1	
IC703	YEAMPC78L05T		IC	1	
IC90·	YEAMBA6285FP		IC	1	
IC902	AN6608		IC	1	
Q101	2SB766ATX		Transistor	1	
Q610	YEANC114WKT		Transistor	1	
Q620	YEANC144EKT		Transistor	1	
Q701	2SD1994ATA		Transistor	1	
Q702	YEANB1326TV2		Transistor	1	
Q703	YEANFA1A4PT2		Transistor	1	
Q704	2SB766ATX		Transistor	1	
Q705	YEANC143EKT		Transistor	1	
Q706	YEANFP1F3PT1		Transistor	1	
Q707	YEANC124EKTX		Transistor	1	
Q720	YEANFP1F3PT1		Transistor	1	
Q741	YEANB1326TV2		Transistor	1	
Q742	YEANFA1A4PT2		Transistor	1	
[E-8213]	**DIODEs**				
D703, 704	YEADSR1544TL		Diode	2	
D705	MA151KTX		Diode	1	
D706	YEADRD56M3T1		Diode	1	
D751	YEADSR1544TL		Diode	1	
D752	YEADDSA3A2C		Diode	1	
D753, 754	YEADSR1544TL		Diode	2	
D961	MA151WKTX		Diode	1	
[E-8213]	**CAPACITORs**				
C11	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C12	ECEA0JKS331I		Electrolytic, 330MFD 6.3WV	1	
C101	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C102	ECEA0JK470I		Electrolytic, 47MFD 6.3WV	1	
C103	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C104	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C105, 107	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C108	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C109	ECSF1AE226B1		Tantalum, 22MFD 10WV	1	
C111	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
C115	ECEA1HKN2R2I		Electrolytic, 2.2MFD 50WV	1	
C121	YECUS1E273KX		Ceramic, 0.027MFD 25WV	1	
C122	YECUS1H470JM		Ceramic, 47PF 50WV	1	
C124	ECSF1AE475B1		Tantalum, 4.7MFD 10WV	1	
C125	YECUS1H123KX		Ceramic, 0.012MFD 50WV	1	
C126	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C127	YECUS1H471JM		Ceramic, 470PF 50WV	1	
C130	YECUS1H331JM		Ceramic, 330PF 50WV	1	
C140	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C142	YECUS1H152KX		Ceramic, 0.0015MFD 50WV	1	
C143, 144	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C195	YECUS1H100CC		Ceramic, 10PF 50WV	1	
C201	YECUS1H332KX		Ceramic, 0.0033MFD 50WV	1	
C202	ECEA1CK100I		Electrolytic, 10MFD 16WV	1	
C203	ECEA1AKS470I		Electrolytic, 47MFD 10WV	1	
C204	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C205	ECEA1CKS100I		Electrolytic, 10MFD 16WV	1	
C220	YECUS1H271JM		Ceramic, 270PF 50WV	1	
C221	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C301	YECUS1H332KX		Ceramic, 0.0033MFD 50WV	1	
C302	ECEA1CK100I		Electrolytic, 10MFD 16WV	1	
C303	ECEA1AK470		Electrolytic, 47MFD 10WV	1	
C304	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C305	ECEA1CK100I		Electrolytic, 10MFD 16WV	1	
C320	YECUS1H271JM		Ceramic, 270PF 50WV	1	
C321	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C401	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C402	ECEA0JK101I		Electrolytic, 100MFD 6.3WV	1	
C403	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C404	ECEA0JKS470I		Electrolytic, 47MFD 6.3WV	1	
C405	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C406	ECEA0JKS331I		Electrolytic, 330MFD 6.3WV	1	
C407	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C410	YECUS1H681JM		Ceramic, 680PF 50WV	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
C411	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C412	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C413, 414	YECUV1C224KX		Ceramic, 0.22MFD 16WV	2	
C430	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C431	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C440	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C451	YECUX1C334KX		Ceramic, 0.33MFD 16WV	1	
C471	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C472	ECEA1CK101I		Electrolytic, 100MFD 16WV	1	
C481, 482	YECUS1H220JC		Ceramic, 22PF 50WV	2	
C603	YEECFYH0H223		Electrolytic, 0.022MFD 5WV	1	
C610	YECUS1H101JM		Ceramic, 100PF 50WV	1	
C611	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C612	ECEA0JK101I		Electrolytic, 100MFD 6.3WV	1	
C616	YECUV1C224KX		Ceramic, 0.22MFD 16WV	1	
C620	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C621	ECEA0JK101I		Electrolytic, 100MFD 6.3WV	1	
C622 to 624	YECUS1H102KX		Ceramic, 0.001MFD 50WV	3	
C651, 652	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	2	
C660, 670	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C701, 702	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C703	ECEA0JK470I		Electrolytic, 47MFD 6.3WV	1	
C704	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C705	ECEA1CKS101I		Electrolytic, 100MFD 16WV	1	
C706	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C707	ECEA1CKS470I		Electrolytic, 47MFD 16WV	1	
C708	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C709	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C710	ECEA0JKS101I		Electrolytic, 100MFD 6.3WV	1	
C711	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C712	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C713	ECEA0JK470I		Electrolytic, 47MFD 6.3WV	1	
C720	ECEA1CKS101I		Electrolytic, 100MFD 16WV	1	
C721	ECEA1CK101I		Electrolytic, 100MFD 16WV	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
C722	ECEA1AK470		E ectrolytic, 47MFD 10WV	1	
C751, 752	ECA1CSS102YB		E ectrolytic, 1000MFD 16WV	2	
C901	ECEA1CKS101I		E ectrolytic, 100MFD 16WV	1	
C921	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
RESISTORs					
R101	ERJ14YJ100H		Chip, 10 ohms 0.25W	1	
R102	ERJ6GEYJ101		Chip, 100 ohms 0.1W	1	
R122	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R130	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1	
R131	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R140	ERJ6GEYJ393		Chip, 39k ohms 0.1W	1	
R141	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R142	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R143	ERJ6GEYJ563		Chip, 56k ohms 0.1W	1	
R144	ERJ6GEYJ274		Chip, 270k ohms 0.1W	1	
R191, 192	ERJ6GEYJ473		Chip, 47k ohms 0.1W	2	
R195	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R196, 197	ERJ6GEYJ224		Chip, 220k ohms 0.1W	2	
R201	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R202	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R204	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R205	ERJ6GEYJ153		Chip, 15k ohms 0.1W	1	
R206	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R207	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R220	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R301	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R302	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R304	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R305	ERJ6GEYJ153		Chip, 15k ohms 0.1W	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
R306	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R307	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R320	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R410	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R411	ERJ6GEYJ124		Chip, 120k ohms 0.1W	1	
R413	ERJ6GEYJ471		Chip, 470 ohms 0.1W	1	
R414	ERJ6GEYJ155		Chip, 1.5M ohms 0.1W	1	
R430	ERJ6GEYJ124		Chip, 120k ohms 0.1W	1	
R431	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	
R432	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R433	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R440	ERJ6GEYJ224		Chip, 220k ohms 0.1W	1	
R441	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1	
R442	ERJ6GEYJ154		Chip, 150k ohms 0.1W	1	
R443	ERJ6GEYJ823		Chip, 82k ohms 0.1W	1	
R444	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R445	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R449	ERJ6GEYJ393		Chip, 39k ohms 0.1W	1	
R451	ERJ6GEYJ562		Chip, 5.6k ohms 0.1W	1	
R452, 453	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	2	
R454	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R461	ERJ6GEYJ122		Chip, 1.2k ohms 0.1W	1	
R462	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	1	
R491 to 496	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	6	
R497	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R498, 499	ERJ6GEYJ473		Chip, 47k ohms 0.1W	2	
R612	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1	
R613	ERJ6GEYJ563		Chip, 56k ohms 0.1W	1	
R614	ERJ6GEYJ824		Chip, 820k ohms 0.1W	1	
R615	ERJ6GEYJ393		Chip, 39k ohms 0.1W	1	
R616	ERJ6GEYJ100		Chip, 10 ohms 0.1W	1	
R620 to 623	ERJ6GEYJ102		Chip, 1k ohms 0.1W	4	
R624	ERJ6GEYJ154		Chip, 150k ohms 0.1W	1	
R625	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	

Ref. No.	Parts No.	Par: Code	Parts Name & Descript on	Pcs set	Remarks
R626	ERJ6GEYJ220		Chip, 22 ohms 0.1W	1	
R627	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R628	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R660	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R670	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1	
R671	ERJ6GEYJ563		Chip, 56k ohms 0.1W	1	
R672	ERJ6GEYJ824		Chip, 820k ohms 0.1W	1	
R673	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R701	ERJ6GEYJ2R2		Chip, 2.2 ohms 0.1W	1	
R702	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1	
R703	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R704	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R705	ERJ12YJ681H		Chip, 680 ohms 0.5W	1	
R708	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R709	ERJ6GEYJ471		Chip, 470 ohms 0.1W	1	
R710	ERJ12YJ270H		Chip, 27ohms 0.5W	1	
R720	ERJ6GEYJ820		Chip, 82 ohms 0.1W	1	
R721	ERJ6GEYJ680		Chip, 68 ohms 0.1W	1	
R722, 723	ERJ6GEYJ103		Chip, 10k ohms 0.1W	2	
R741	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R742	ERJ12YJ331H		Chip, 330 ohms 0.5W	1	
R799	ERJ12YJ681H		Chip, 680 ohms 0.5W	1	
R911	ERJ12YJ R0H		Chip, 1 ohm 0.5W	1	
R921, 922	ERJ12YJ R5H		Chip, 1.5 ohms 0.5W	2	
R961	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R962, 964	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	2	
R965 to 969	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	5	
R971	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1	
R972	ERJ6GEYJ823		Chip, 82k ohms 0.1W	1	
R973	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R974	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R975	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1	
R976	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R977	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
R978	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R991, 992	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	2	
R994 to 996	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	3	
R998	ERJ6GEYJ473		Chip, 47k ohms 0.1W	-	
R999	ERJ6GEYJ104		Chip, 100k ohms 0.1W	-	
CONNECTORs					
CN101	YEAE5210315		Connector, 15P	1	
CN901	YEAE5210310		Connector, 10P	1	
CN902	YEAE5227013		Connector, 13P	1	
CN903	YEAE5210310		Connector, 10P	1	
SWITCHs					
SW651, 652	YEAS09250R		Switch	2	
CRYSTALs					
XL11	YEXLCST838MT		Crystal OSC	1	
XL480	YEXLCSA169MX		Crystal OSC	1	
COILs					
L701	YETQ012G126		Coil	1	
L1	YELTCAT2035A		Coil	1	
PRINTING					
	YEFM282515		Operating Instructions	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
INSTALLATION PARTS					
1, 2, 4	YEP9BS1062		Screw Kit	1	
3	YEFG012448		Base Brakect	2	
5	YEFG02891		Mounting Brakect(L)	1	
6	YEFG02890		Mounting Brakect(R)	1	
7	YEFX9991395		Double-Faced Adhesive Tape	1	
8	YEFV021335		Dust Seal	1	
	YEAJ071117		Extension Cord	1	
	YEAJ09327		Ground Lead	1	
	YEP9FZ2392		Magazine Ass'y	1	
MISCELLANEOUS					
F1 ⚠	XBA2C31TR0		Fuse, 3.15A	1	
AT1, 2	YEATSD00405		Terminal	2	
CN601	YEAJ011385A		Cord	1	
1 (1-A)	YEFA05640		Bottom Cover	1	DP601EN only
	YEFA05597		Bottom Cover	1	DP600AEN only
2 (4-A)	YEFA031474		Upper Cover	1	DP601EN only
	YEFA031369B		Upper Cover	1	DP600AEN only
3 (3-C)	YEFA09526		Side Plate	1	
4 (2-A)	YEFA09528		Side Plate	1	
5 (2-A)	YEFC024362		Escutcheon Ass'y, Outer	1	DP601EN only
	YEFC024306A		Escutcheon Ass'y, Outer	1	DP600AEN only
6 (2-C)	YEFC024331		Escutcheon Ass'y, Inner	1	
7 (2-B)	YEFS011267		Pad	2	
8 (3-A, 3-B)	YEFS011274		Pad	2	
9 (1-B)	YEFV011616		Insulator	1	
10 (3-B)	YEFX0213758A		Bracket	1	
11 ★	XYN2+C4FZ		Screw, 2mm × 4mm	2	
12 ◎	XTB3+6FFX		Screw, 3mm × 6mm	1	
13 ●	YEJT03170		Screw,	8	

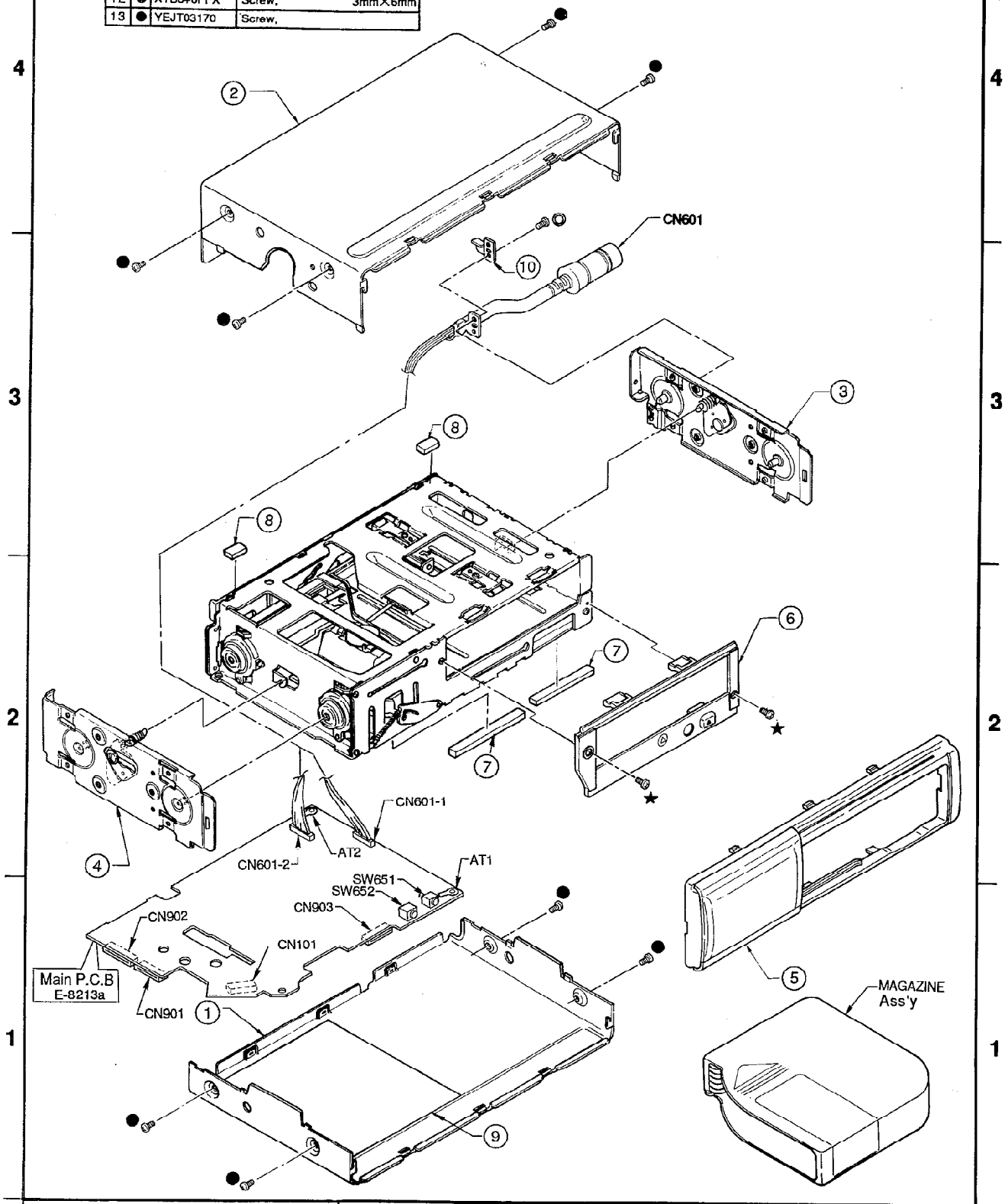
Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
CD PLAYER PARTS					13050 [96'1.25]
1 (1-F)	MDN3RB03AES		Spindle Motor	1	
2 (4-D)	YEAP2482A		Elevator FPC	1	
3 (2-F)	YEAP2551		Spindle FPC	1	
4 (2-E)	YEAP2552		Traverse FPC	1	
5 (4-C)	YEFA011484		Side Chassis	1	
6 (3-E)	YEFA011492C		Magazine Base Ass'y	1	
7 (2-B)	YEFA011488F		Elevator Upper Chassis	1	
8 (3-C)	YEFA011489B		Front Chassis Ass'y	1	
9 (4-B)	YEFA011482B		Rear Chassis Ass'y	1	
10 (1-E)	YEFA011572		Traverse Chassis Ass'y	1	
11 (3-C)	YEFA011483B		Upper Chassis Ass'y	1	
12(3-B) (4-C)	YEFS04595		Oil Dumper	4	
13(2-B) (1-B)	YEFW05339		Suspension Guide Chassis Collar	3	
14 (2-D)	YEFW05341A		Cam Gear Collar	1	
15 (1-A)	YEFW05343		Clamper Roller Collar	1	
16 (1-D)	YEFW05344		Lifter Collar	1	
17 (4-B)	YEFW061823		Magazine Roller Shaft	2	
18 (1-A)	YEFW061893		Clamper Arm Shaft	1	
19 (3-A)	YEFW061894		Chuck Guide Shaft	1	
2' (1-D)	YEFW061935A		Lifter Roler Shaft	1	
22 (4-F)	YEFX003562		Rotary Dumper	1	
23 (4-F)	YEFX003677		Elevator Gear	1	
24 (4-F)	YEFX003678		Elevator Gear (3)	1	
25 (4-E)	YEFX003679		Elevator Gear (1)	1	
26 (4-E)	YEFX003726		Elevator Gear (2)	1	
27 (2-E)	YEFX003682		Load Step-Down Gear	1	
28 (2-E)	YEFX003683		Load Relay Gear	1	
29 (1-D)	YEFX003684		Load Cam Gear	1	
30 (2-D)	YEFX003685		Rack Gear (A)	1	
31 (2-D)	YEFX003686		Rack Relay Gear	1	
32 (2-D)	YEFX003687		Rack Gear (B)	1	
33 (2-E)	YEFX003688		Load Worm Gear Wheel	1	

EXPLODED VIEW (UNIT)
AUFGELÖSTE DARSTELLUNGS (GANZES GERÄT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST

■The symbols next to the screws indicate as follows.

11	★	XTN2+C4FZ	Screw,	2mm×4mm
12	○	XTB3+6FFX	Screw,	3mm×6mm
13	●	YEJT03170	Screw,	

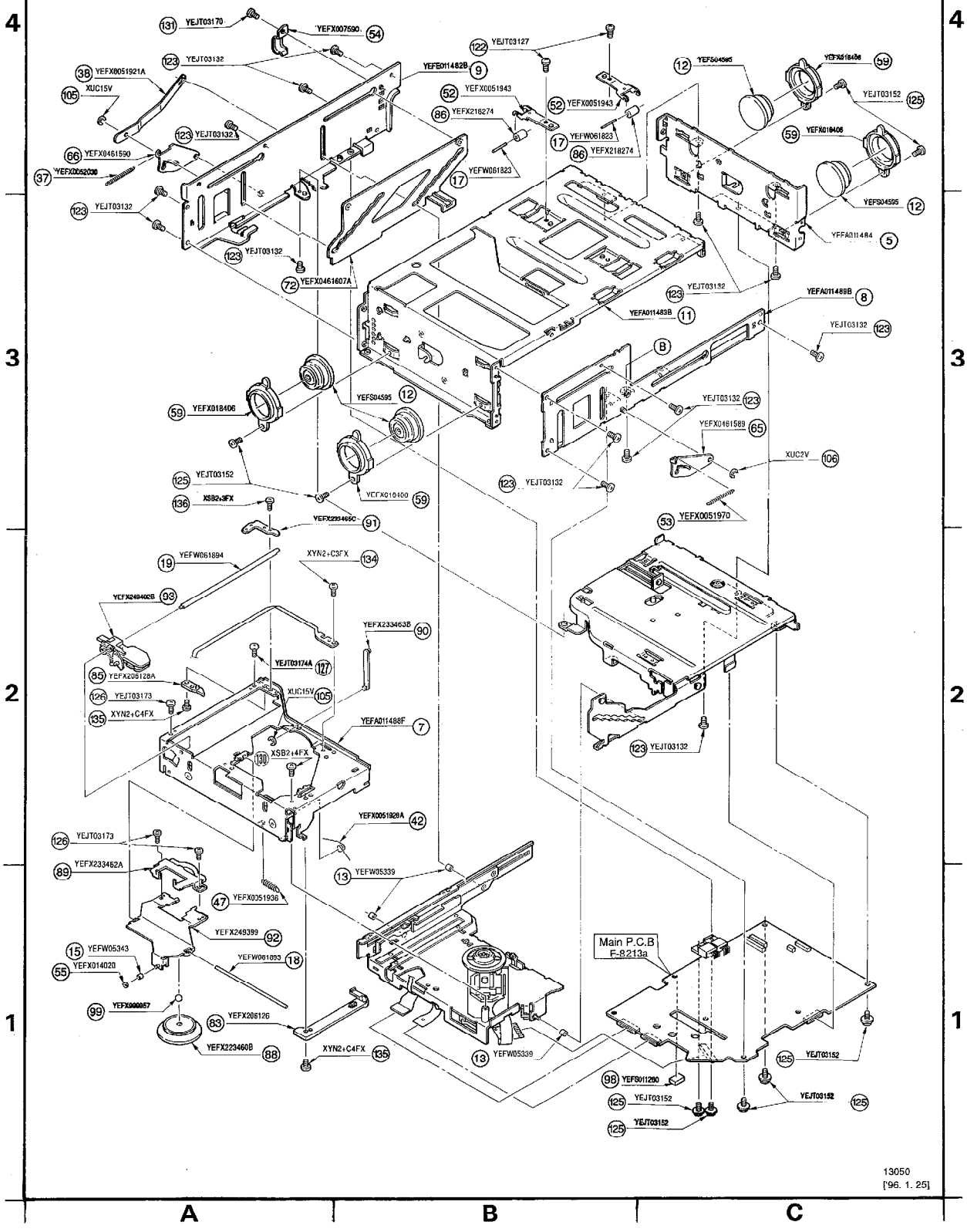


Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
34 (2-E)	YEFX003690A		Traverse Gear (1)	1	
35 (2-E)	YEFX003691		Traverse Gear (2)	1	
36 (1-D)	YEFX003693A		Load Rack (A)	1	
37 (4-A)	YEFX0052030		Anti-Vibration Lever Spring (R)	1	
38 (4-A)	YEFX0051921A		Anti-Vibration Spring	1	
39 (4-F)	YEFX0051922B		Eject Spring	1	
40 (3-F)	YEFX0051924		Magazine Lock Spring	1	
41 (3-E)	YEFX0051926		Rack Pressure Spring	1	
42 (2-B)	YEFX0051928A		Clamp Spring	1	
43 (2-E)	YEFX0051932B		Switch Lever Spring	1	
44 (2-E)	YEFX0051933A		Cam Lever Spring	1	
45 (1-D)	YEFX0051934B		Lifter Spring	1	
46 (2-D)	YEFX0051935		Elevator Link Spring	1	
47 (1-A)	YEFX0051936		Side Cam Spring	1	
51 (2-F)	YEFX0052046		Lead Screw Guide Spring	1	
52 (4-B)	YEFX0051943		Magazine Hold Spring	2	
53 (3-C)	YEFX0051970		Anti-Vibration Lever Spring (F)	1	
54 (4-B)	YEFX007590		Cord Clamper	1	
55 (1-A)	YEFX014020		Snap Ring,	1	
56	YEFX014040		Snap Ring 2mm	5	
57	YEFX014042		Snap Ring,	4	
58 (4-E)	YEFX014047		Snap Ring,	2	
59 (3-A) (4-C)	YEFX018406		Dumper Holder	4	
60 (3-F)	YEFX018407G		Elevator Motor Base Ass'y	1	
61 (1-E)	YEFX018467		Lead Screw Housing (A)	1	
63 (4-D)	YEFX018413A		PCB Blacket Ass'y	1	
64 (1-D)	YEFX019057		Lift Control Rod	1	
65 (3-C)	YEFX046 589		Anti-Vibration Lever (F)	1	
66 (4-A)	YEFX046 590		Anti-Vibration Lever (R)	1	
67 (3-D)	YEFX0461597A		Origin Detect Lever	1	
68 (3-E)	YEFX0461598A		Limit Detect Lever	1	
69 (1-D)	YEFX0461602A		Slider Lever (B)	1	
70 (2-E)	YEFX0461604A		Cam Lever (B)	1	
71 (2-E)	YEFX0461605B		Cam Lever (C)	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
72 (3-A)	YEFX0461607A		Elevator Cam Plate (R) Ass'y	1	
73 (3-D)	YEFX0461608B		Elevator Cam Plate (F) Ass'y	1	
74 (1-D)	YEFX0461609A		Lifter	1	
75 (2-D)	YEFX0461613C		Cam Lever (A) Ass'y	1	
76 (1-D)	YEFX0461614B		Slider Lever (A)	1	
77 (1-D)	YEFX0461616B		Rack Base Ass'y	1	
78 (1-E)	YEFX0461701		Chuck Slider Ass'y	1	
79 (3-F)	YEFX0461627		Magazine Lock Lever	1	
80 (2-E)	YEFX0461628A		Switch Lever Ass'y	1	
81 (3-F)	YEFX206124		Magazine Guide	1	
82 (1-D)	YEFX206125B		Disc Guide (R)	1	
83 (1-A)	YEFX206126		Disc Guide (F)	1	
84 (1-D)	YEFX206127B		Load Rack Guide	1	
85 (2-A)	YEFX206128A		Disc Guide (RT)	1	
86 (4-B)	YEFX218274		Magazine Hold Roller	2	
87 (3-E)	YEFX219120A		Elevator Motor Retainer	1	
88 (1-A)	YEFX233460B		Clamper	1	
89 (2-A)	YEFX233462A		Clamper Holder	1	
90 (2-B)	YEFX233463B		Disc Holder	1	
91 (3-B)	YEFX233465C		Chuck Guide Holder	1	
92 (1-A)	YEFX249399		Clamper Arm Ass'y	1	
93 (2-A)	YEFX249402B		Chuck Arm Ass'y	1	
94 (1-F)	YEFX9991468		Lead Screw Guide	1	
95 (1-F)	YEFX9991467		Lead Screw Ass'y	1	
96 (2-E)	YEFX999840B		Switch Cover	1	
97 (1-E)	YEFX0051980B		SW3 Detect Spring	1	
98 (1-B)	YEFS011260		Pad,PCB	1	
99 (1-A)	YEFX999957		Steel Ball	1	
100 (2-F)	YEP0FX2410		Traverse Motor Ass'y	1	
101 (2-F)	YEP0FX2415		Loading Motor Ass'y	1	
102 (4-E)	YASAK0 085		Elevator Motor Ass'y	1	
103 (1-F)	YESSZ2533B		Optical Pick-up Ass'y	1	
104 (2-D)	XUC12V		Retaining Ring, 1.2mm	2	
105	XUC15V		Snap Ring, 1.5mm	5	

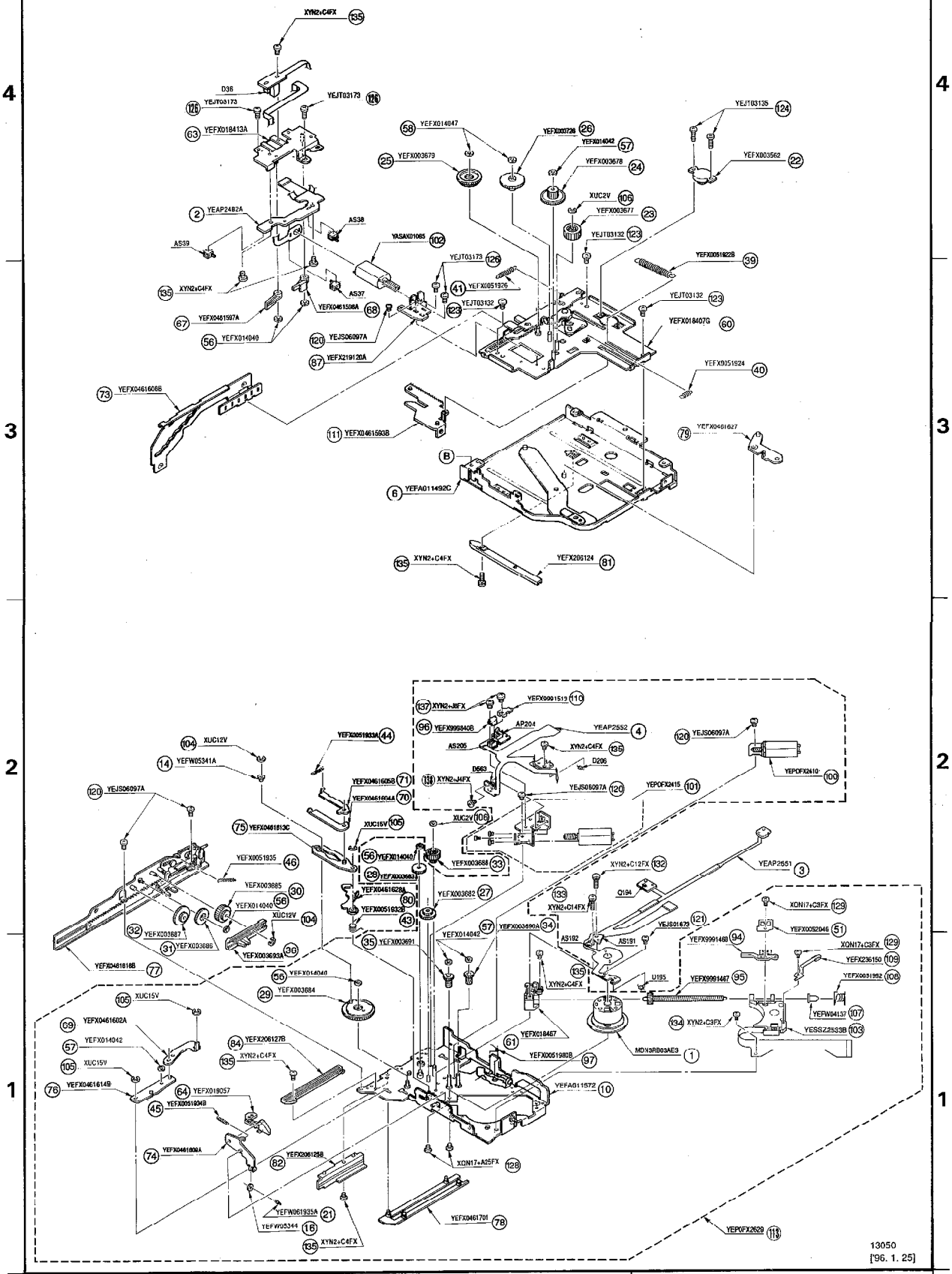
EXPLODED VIEW (CD PLAYER PARTS) / AUFGELÖSTE DARSTELLUNGS (CD TONBAND GERÄT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



EXPLODED VIEW (CD PLAYER PARTS) / AUFGELÖSTE DARSTELLUNGS (CD TONBAND GERÄT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



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CX-DP601EN/DP600AEN CX-DP601EN/DP600AEN

Ref. No.	Parts No.	Part Code	Parts Name & Description	Pcs set	Remarks
106	XUC2V		Snap Ring, 2mm	3	
107 (1-F)	YEFW04137		Lead Screw Housing (B)	1	
108 (1-F)	YEFXC051992		Thrust Spring	1	
109 (1-E)	YEFX236150		Traverse Guide	1	
110 (2-E)	YEFX9991513		Switch Cover	1	
111 (3-F)	YEFXC461593B		Magazine Eject Slider	1	
113	YEP0FX2629		Optical Deck Ass'y	1	
120	YEJS06097A		Screw, 2mm×2.5mm	5	
121 (1-E)	YEJS06173		Screw, 2mm×3mm	1	
122 (4-B)	YEJT03127		Tapping Screw, 2mm×4mm	2	
123	YEJT03132		Tapping Screw, 2.6mm×4mm	17	
124 (4-F)	YEJT03135		Tapping Screw, 2mm×5mm	2	
125	YEJT03152		Tapping Screw, 2.6mm×5mm	9	
126	YEJT03173		Tapping Screw, 2mm×2.5mm	7	
127 (2-A)	YEJT03174A		Tapping Screw, 2mm×2.5mm	1	
128 (1-E)	XQN17+A25FX		Screw, 1.7mm×2.5mm	2	
129 (1-F)	XQN17+C3FX		Screw, 1.7mm×3mm	2	
130 (2-A)	XSB2+4FX		Screw, 2mm×4mm	1	
131 (4-A)	YEJT03170		Tapping Screw, 3mm×5mm	1	
132 (2-F)	XYN2+C12FX		Screw, 2mm×12mm	1	
133 (2-E)	XYN2+C14FX		Screw, 2mm×14mm	1	
134(3-B) (1-E)	XYN2+C3FX		Screw, 2mm×3mm	2	
135	XYN2+C4FX		Screw, 2mm×4mm	10	
136 (3-A)	XSB2+3FX		Screw, 2mm×3mm	1	
137 (2-E)	XYN2+J8FX		Screw, 2mm×8mm	2	
138 (2-E)	XYN2+J4FX		Screw, 2mm×4mm	1	